

maxell

Video/Data Media

Data Media

Audio Media

Professional Broadcast Media

Batteries

PRODUCT GUIDE 2007-2008



Setting standards and moving ahead

Extending a leading heritage

Since Maxell started in 1960, it has grown from being the first in Japan to develop and produce such staples as alkaline batteries and floppy disks to pioneering energy sources powering the latest mobile devices, as well as write-once DVD-R, rewritable DVD-RAM and other multimedia innovations. We're still moving ahead.

As a global business catering to local needs, we command a network of production and sales hubs in the U.S./Mexico, U.K./Europe and China/Malaysia. These cover major markets throughout the world and extend the reach of our central organization in Japan.

What drives our leadership? Enduring initiative, flexibility and creativity that take design,

development and distribution of products and services to higher levels. Plus the synergy of joint ventures that keeps Maxell on top worldwide.

More energy, more mobile

Continually refining and capitalizing on its pioneering technology, Maxell dominates the market for micro batteries. These, until recently, had been used primarily in watches, but thanks in part to our success at making more energy more mobile, they now power a growing range of personal digital assistants and other popular electronics products.

As awareness and demand for environment-friendliness and practicality grows, Maxell is integrating its expertise in magnetic tape coating to make rechargeable lithium ion batteries more efficient,

reliable and compact.

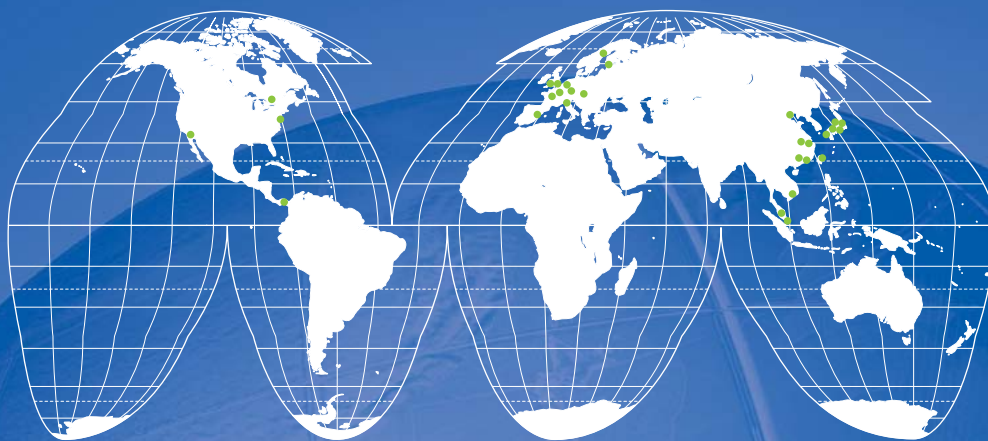
Maxell is moving batteries beyond conventional functions, so that they play a growing role in controlling the devices that they power.

Making the most of our memory

From floppy disks and data cartridges to optical and card media, Maxell magnetic media accommodate the world's growing need for digital data storage. Our magnetic recording and optical servo expertise are the basis for such cutting-edge products as Maxell DLT tape® S4 and LTO Ultrium 4 tape with up to 800GB capacity.

Our company often defines—not only reacts to—the multimedia market. As demand accelerates for even greater storage/access capacity for data and advanced digital images

Global Network



North America/ South America

■ Sales Companies

- Maxell Corporation of America
- - (Canada Branch)
- Maxell Latin America

■ Production Companies

- Maxell De Mexico, S.A. DE C.V.

and sound, progress in this field relies on what Maxell has to offer. In our ongoing search for enhanced memory solutions, we have created a broad lineup of DVD recording media featuring Blu-ray Disc, HD DVD, DVD-RAM, DVD-R, DVD-RW, DVD+R, and DVD+RW products.

Innovating from our core outward

Beyond recording media and battery innovations, Maxell nurtures new enterprise by expanding its core expertise to capitalize on higher technology.

Among the company's new developments are contactless coil-on-tip RFID (Radio Frequency Identification) automatic identification using silicon chip-based transponders to store and remotely

retrieve data; a camera lens unit enhancing the image-capture capabilities of cellular phones and other portable devices; and Anoto Digital Pens applying a familiar pen-and-paper platform to transmit written text and graphics in convenient electronic form to PCs, personal digital assistants and other communications gear.

People demand more flexibility at work and leisure. Maxell is poised to extend its legacy of innovation well into the future by delivering even better solutions tailored to take full advantage of the new age of information.

Bringing the future closer

In a world of fast-moving business and technology, Maxell's power to guide change is essential to the

company's mission. So as mobile phones, portable computers, and the Internet become increasingly important in this information age, we are building upon our leadership in magnetic tape and batteries to evolve optical disc and tape recording media and mobile power devices.

As we continue pushing the envelope into promising new directions, our dedication to innovation and market-driven know-how is stronger than ever.

After all, the world relies more than ever on information. Maxell excels at helping to deliver it and keep it all secure.

* DLTtape, the DLTtape logo and Super DLTtape are trademarks or registered trademarks of Quantum Corporation in the U.S.A. and other countries.

** Linear Tape-Open, LTO, LTO logo, Ultrium, Ultrium logo are trademarks of Certance, HP and IBM in the U.S., other countries or both.

Europe

■ Sales Companies

- Maxell Europe Ltd.
- - (UK Sales Office)
- Maxell Deutschland GmbH
- Maxell Scandinavia AB
- - (Finland Branch)
- Maxell Benelux B.V.
- - (Belgium Branch)
- Maxell (France) S.A.
- Maxell Italia S.p.A.
- Maxell Hungary Kft.
- Maxell Spain S.A.

■ Production Companies

- Maxell Europe Ltd.
- Telford Plant

Asia

■ Headquarters

- Hitachi Maxell, Ltd.

■ Sales Companies

- Maxell Asia, Ltd.
- - (Vietnam Office)
- Maxell (Shanghai) Trading Co., Ltd.
- - (Beijing Office)
- - (Guangzhou Office)
- - (Chengdu Office)
- Maxell Taiwan, Ltd.
- Maxell Asia (Singapore) Pte. Ltd.
- - (Chennai Office)

■ Production Companies

- Tsukuba Works
- Kyoto Works
- Osaka Works
- Ono Works
- Maxell Tohshin (Malaysia) Sdn. Bhd.
- Wuxi Hitachi Maxell Co., Ltd.

Our Environment Is Our Responsibility To Society

Helping to sustain society in the long term makes excellent business sense. So Maxell is committed to serving the world in which it operates, as well as its many customers. Our philosophy of good corporate citizenship guides internal governance and compliance systems according to strict, universally accepted standards. Accordingly, we aim for a growing number of our production facilities worldwide to acquire International Organization of Standardization certifications. Adherence to these standards improves our production outcomes comprehensively.

The ISO 9001 quality management standards apply to manufacturing quality control and other processes. ISO 14001 environmental management standards target minimal environmental impact of production and service functions. For both sets of standards, certification of facilities is performed by third party organizations to ensure impartiality.

ISO 9001-Certified Facilities

Osaka Works, Ono Works

Hitachi Maxell, Ltd.
Energy Solution Business Group
Primary Battery Division
Certificate Number: JQA-0986
Registered on September 29th, 1995.
Some products approved by
ISO/TS16949.
Certificate Number: JQA-AU0078
Registered on January 7th, 2005.

Tsukuba Works

Hitachi Maxell, Ltd.
Advanced Disk Division
Certificate Number: JQA-0492
Registered on May 16th, 1994.

Kyoto Works

Hitachi Maxell, Ltd.
Rechargeable Battery Division
Certificate Number: JQA-3029
Registered on January 29th, 1999.

Kyoto Works

Hitachi Maxell, Ltd.
Advanced Tape Division
Kyoto Works
Certificate Number: QC02J0195
Registered on February 22nd, 1994.

Components Business Group

Tokyo office, Tsukuba site, Kokinu site
Certificate Number: JQA-QMA11668
Registered on October 1st, 2004.

Maxell De Mexico, S.A. DE C.V.

Certificate Number: A5081
Registered on December 12th, 1996.

Maxell Europe Ltd. (Telford Plant)

Certificate Number: LRQ0926205
Registered on May 6th, 1993.

Maxell Toshin (Malaysia) Sdn. Bhd.

Certificate Number: 403859
Registered on September 20th, 2002.

Wuxi Hitachi Maxell Co., Ltd.

Certificate Number: 3200/20019626
Registered on November 17th, 2001.

ISO 14001-Certified Facilities

Hitachi Maxell, Ltd.

- Head Office & Sales Division
Certificate Number: EC03J0199
Registered on November 26th, 2003

- Osaka & Ono Sites

Certificate Number: EC97J1166
Registered on January 26th, 1998.

- Kyoto Site

Certificate Number: EC97J1188
Registered on February 23rd, 1998.

- Tsukuba Site

Certificate Number: EC97J1148
Registered on December 24th, 1997.

- Kokinu Site

Certificate Number: EC99J1018
Registered on June 30th, 1999.

Maxell De Mexico, S.A. DE C.V.

Certificate Number: EMS 54033
Registered on March 9th, 2000.

Maxell Europe Ltd. (Telford Plant)

Certificate Number: LRQA 0772433
Registered on July 1st, 1999.

Maxell Toshin (Malaysia) Sdn. Bhd.

Certificate Number: M021701109
Registered on October 15th, 1999.

Wuxi Hitachi Maxell Co., Ltd.

Certificate Number: 09-2001-0127
Registered on May 18th, 2001.

Maxell Corporation of America

Certificate Number: A13334
Registered on January 26th, 2005.

Maxell Europe Ltd.

Certificate Number: LRQ4001995
Registered on September 9th, 2005.

Maxell Deutschland GmbH

Certificate Number: LRQ4001995/B
Registered on September 9th, 2005.

Maxell Italia S.p.A.

Certificate Number: LRQ4001995/A
Registered on April 25th, 2007.

Maxell Asia, Ltd.

Certificate Number: CC2919
Registered on March 24th, 2005.

Maxell (Shanghai) Trading Co., Ltd.

Certificate Number: 04206E10002ROS
Registered on January 24th, 2006.

Maxell Taiwan, Ltd.

Certificate Number: TW05/00851EM
Registered on December 28th, 2005.

Maxell Asia (Singapore) Pte. Ltd.

Certificate Number: SGPSGP001183
Registered on March 29th, 2006.

V i d e o / D a t a M e d i a

Taking video/data optical storage further

The DVD boom has evolved with remarkable speed, led by technology from Maxell, which brought the world's first large-capacity rewritable DVD-RAM disc to market in 2000.

Maxell will continue to lead the industry, as it advances development of such next-generation high-capacity storage media as Blu-ray Disc and HD DVD.



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Blu-ray Disc



- Blu-ray Disc is an optical disc format designed for high-density storage of High-Definition video, data and more.
- Shorter wavelength of 405nm blue-violet laser enables the storage of more information on a 120mm CD/DVD-sized disc.
- State-of-the-art stamping instrument using high-precision laser-cutting-control technology is employed to realize an ultra-low-pitch data track.
- Highly sensitive recording layer incorporates newly developed materials for high-speed recording.
- The surface of the recording layer consists of a 0.1mm-thick cover layer with protective hard coat.
- Dual-layer discs enabling highly stable, 50GB capacity recording will be introduced in the near future.



SPECIFICATIONS

Disc type	BD-R (write once)		BD-RE (rewritable)	
Recording layer	Single layer	Dual layer*	Single layer	Dual layer*
Recording capacity	25GB	50GB	25GB	50GB
Recording layer	Inorganic material		Phase-change material	
Laser wavelength	405nm			
Lens numerical aperture (NA)	0.85			
Standard data transfer rate	35.965Mbps			
Disc diameter	120mm			
Disc thickness	1.2mm			
Cover layer	0.1mm			
Tracking	Groove recording			
Track pitch	0.32μm			
Shortest mark length	0.149μm			

* Coming soon.

HD DVD



- A 120mm-diameter HD DVD disc stores HD video and other data recorded onto it by a 405nm wavelength blue-violet laser.
- Made using a high-precision stamping instrument for narrower data track pitch and fine, sharp groove shape.
- High-precision disc molding and bonding technologies achieve stable mechanical and optical characteristics.
- Newly developed organic dye featuring a revolutionary recording mechanism matches the short wavelength laser.
- New HD-BCM (Bismuth Coupling Material) phase-change recording layer provides high S/N ratio and long archive life.
- Dual-layer technology produces two recording layers for high-density data recording.



SPECIFICATIONS

Disc type	HD DVD-R (write once)		HD DVD-RW (rewritable)	
Recording layer	Single layer	Dual layer*	Single layer*	Dual layer*
Recording capacity	15GB	30GB	15GB	30GB
Recording layer	Inorganic dry material	Phase-change material		
Laser wavelength	405nm			
Lens numerical aperture (NA)	0.65			
Standard data transfer rate	36.55Mbps			
Disc diameter	120mm			
Disc thickness	1.2mm (0.6mm + 0.6mm)			
Tracking	Groove recording			
Track pitch	0.40μm			
Shortest mark length	0.204μm			

* Coming soon.

DVD-RAM



- DVD-RAM compatible up to 5X speed with a storage capacity of 4.7GB per side.
- Records up to 120 minutes in standard mode.
- Conforms to DVD Specifications for Rewritable Discs (DVD-RAM).
- High recording density and high reliability achieved with the employment of the Wobbled Land and Groove recording method.
- Phase change recording materials and optimized thermal conductivity achieve enhanced durability.
- For recording with DVD-RAM video recorder or DVD-RAM drive for PC.
- Recorded DVD-RAM discs are playable on DVD-RAM compatible drives.
- Ideal for PC data, video, music, data archiving and other multimedia.



SPECIFICATIONS

Item	Unit	DRM47C	
Sides used	—	Single-Sided	
Recording time*	min	120	
Recording capacity	GB	4.7	
Disc diameter	mm	120	
Cartridge dimensions	mm	—	
Writing speed	—	5X	3X
Reference data transfer rate	Mbps	55.40	33.24

* Recording time will vary with video quality and recording mode.

Notes: 1) These DVD-RAM discs are for use in DVD-RAM drives that support 4.7GB DVD-RAM discs, and cannot be used in old 2.6GB DVD-RAM drives.

2) These discs should be used in DVD-RAM video recorders, not in other format recorders.

DVD-R



- DVD-R is a write-once format suitable for recording with DVD-R video recorder or DVD-R drive for PC.
- DVD-R compatible for up to 16X speed with a storage capacity of 4.7GB, and recording time up to 120 minutes in standard mode.
- Conforms to DVD Specifications for Recordable Discs (DVD-R).
- High-quality organic dye recording materials improve recording characteristics for recording and playback.
- DVD-R is compatible for playback with most DVD players and DVD-ROM drives.



SPECIFICATIONS

Item	Unit	DR47DDV	DR47PWDDV
Sides used	—	Single-Sided	
Recording time*	min	120	
Recording capacity	GB	4.7	
Disc diameter	mm	120	
Writing speed	—	16X	
Reference data transfer rate	Mbps	177.28 (MAX)	

* Recording time will vary with video quality and recording mode.

Notes: 1) These discs may not be compatible with some DVD players or drives. Compatible DVD loading software is required to load a disc (recorded upon using a recorder) on the disc drive.

2) The DR47DDV and DR47PWDDV are 16X speed DVD-R discs. Be sure to use these discs in a recorder that supports 16X speed media. Due to a defect in certain DVD-R/RW recorders that do not support these discs, using these discs may result in damage to these recorders. For details, refer to Maxell's website, or contact the manufacturer of the DVD-R/RW recorder or drive that you are using.

DVD-RW



- For recording with DVD-RW video recorder or DVD-RW drive for PC.
- DVD-RW discs are re-recordable up to 1,000 times*.
- DVD-RW records up to 120 minutes for video in standard mode, or 4.7GB for data storage.
- Compatible for up to 2X speed recording.
- DVD-RWs recorded in DVD-Video mode can be loaded into many DVD video players and DVD-ROM drives for high-performance results in playback.

*Verified by Maxell's standard testing.



SPECIFICATIONS

Item	Unit	DRW47BDV
Sides used		Single-sided
Recording time*	min	120
Recording capacity	GB	4.7
Disc diameter	mm	120
Writing speed		2X
Reference data transfer rate	Mbps	22.16

* Recording time will vary with video quality and recording mode.

Notes: 1) These discs should be used in DVD-RW video recorders.

2) These discs may not be compatible with some DVD players or drives. Compatible DVD loading software is required to load a disc (recorded upon using a recorder) on the disc drive.

3) DRW47BDV is a 2X speed DVD-RW disc. Be sure to use this disc in a recorder that supports 2X speed media. Due to a defect in certain DVD-R/RW recorders that do not support this disc, using this disc may result in damage to these recorders. For details, refer to Maxell's website, or contact the manufacturer of the DVD-R/RW recorder or drive that you are using.

4) DRW47BDV is compatible for CPRM (Content Protection for Recordable Media).

DVD+R



- For recording with DVD+R writer.
- DVD+R compatible up to 16X speed with a storage capacity of 4.7GB, and recording time up to 120 minutes in standard mode.
- Conforms to DVD Specifications for Recordable Discs (DVD+R).
- DVD+R is a write-once format suitable for various data storage and multimedia applications.
- DVD+R is compatible for playback with most DVD players and DVD-ROM drives.



SPECIFICATIONS

Item	Unit	D+R47DDV	D+R47PWDDV	D+R85.1P
Sides used		Single-Sided		Single-sided (Double layer)
Recording time	min	120		—
Recording capacity	GB	4.7		8.5
Disc diameter	mm	120		
Writing speed		16X		2.4X
Reference data transfer rate	Mbps	177.28 (MAX)		26.59

* Recording time will vary with video quality and recording mode.

Notes: 1) These discs may not be compatible with some DVD players or drives. Compatible DVD loading software is required to load a disc (recorded upon using a recorder) on the disc drive.

2) Maxell's DVD+R discs that conform to the new standards for 16x writing-speed DVD+R discs. Use of these discs in some manufacturers' 2.4x or 4x writing-speed DVD+R/RW drives that do not conform to 16x writing-speed discs may cause writing errors or damage to the recorded data. A firmware update is required prior to using 16x writing-speed DVD+R discs on these particular drives.



DVD+RW



- For recording with DVD+RW video recorder or DVD+RW drive for PC.
- DVD+RW discs are re-recordable up to 500 times*.
- DVD+RW records up to 120 minutes for video in standard mode, or 4.7GB for data storage.
- Compatible for up to 4X speed recording.
- DVD+RWs can be loaded into some DVD video players and DVD-ROM drives.

*Verified by Maxell's standard testing.



SPECIFICATIONS

Item	Unit	D+RW47BDV
Sides used		Single-sided
Recording time*	min	120
Recording capacity	GB	4.7
Disc diameter	mm	120
Writing speed		4X
Reference data transfer rate	Mbps	44.32

* Recording time will vary with video quality and recording mode.

Note: These discs may not be compatible with some DVD players or drives. Compatible DVD loading software is required to load a disc (recorded upon using a recorder) on the disc drive.

8cm Blu-ray Disc for Camcorder



- Advanced uniformity technology, combined with substrate molding technology, ensures a consistently flat cover layer. This minimizes biases in shape, thereby improving camcorder recording and reading reliability, especially for outdoor use.
- EXTREME PROTEK PLUS™ protects the disc's recording surface from scratches, dust and fingerprints for extra reliability, especially during outdoor use.
- High 7.5 GB capacity or 60-minute* recording time.

SPECIFICATIONS

Disc type	8cm BD-R (write once)	8cm BD-RE (rewritable)
Recording layer	Single layer	
Recording capacity	7.5GB	
Recording layer	Inorganic material	Phase-change material
Laser wavelength	405nm	
Lens numerical aperture (NA)	0.85	
Disc diameter	80mm	
Disc thickness	1.2mm	
Cover layer	0.1mm	
Tracking	Groove recording	

* Varies depending on camera and recording mode.





8cm DVD-RAM for Camcorder

- 8cm disc for use in DVD-RAM video camera can record up to 30 minutes per side.
- 8cm disc is removable from cartridge or holder for use in DVD-RAM video recorders or DVD-RAM drives for PC.
- The DRMH60 is designed for exclusive use in video cameras that use Round DVD Holders.

SPECIFICATIONS

Item	Unit	DRMS-V28R	DRMH60	DRM60HG	DRM30HG
Sides used	—		Double-sided		Single-sided
Recording time	min		60 (30 per side)		30
Recording capacity	GB		2.8 (1.4 per side)		1.4
Disc diameter	mm		80		
Writing speed	—		2X		
Reference data transfer rate	Mbps		22.16		



8cm DVD-R for Camcorder

- Anti-static ProTek Plus™ incorporates Maxell's unique protective hardcoat technology (DR60HG/DR30HG).
- DVD-Rs recorded in DVD-Video mode can be loaded into most DVD video players and DVD-ROM drives for high-performance results in playback.
- The DRH30 is designed for exclusive use in video cameras that use Round DVD Holders.

SPECIFICATIONS

Item	Unit	DR30	DRH30	DR60HG	DR30HG
Sides used	—		Single-sided	Double-sided	Single-sided
Recording time	min		30	60 (30 per side)	30
Recording capacity	GB		1.4	2.8 (1.4 per side)	1.4
Disc diameter	mm		80		
Writing speed	—		1X		
Reference data transfer rate	Mbps		11.08		



8cm DVD-RW for Camcorder



- Anti-static Xtreme ProTek Plus™ incorporates Maxell's unique protective hardcoat technology (DRW60HG).
- The DRW is designed for DVD video camcorders supporting DVD-RW discs.

SPECIFICATIONS

Item	Unit	DRW60HG	DRW30
Sides used	—	Double-sided	Single-sided
Recording time	min	60 (30 per side)	30
Recording capacity	GB	2.8 (1.4 per side)	1.4
Disc diameter	mm	80	
Writing speed	—	1X	
Reference data transfer rate	Mbps	11.08	



Mini DV(Mini Digital Video Cassette)



- High-performance digital video recording offers superior visual playback.
- Maxell Mini DV tape works with all digital camcorders bearing this mark. 
- Evaporated metal delivers amazingly vivid digital picture and sound reproduction.
- Unique protective layer provides superior abrasion resistance and durability.
- Static-resistant resin and dust-tight cassette half-construction ensure reliability.

LINEUP

Model	Type	Tape length (m)	Tape width (mm)
DVM 80SE	80	93.1	6.35
DVM 60SE	60	70.4	
DVM 60C			

* Package design shown is for Europe/Asia markets.



* For European market only.

HGX-GOLD

NTSC



- A top-quality tape recommended as an ideal hi-fi tape, particularly for demanding recordings.



LINEUP

Model	Recording time (min)			Tape length (m)	Tape width (mm)
	SP Mode (x1)	LP Mode (x2)	EP Mode (x3)		
T-130HGX-G	130	260	390	266.0	12.65
T-120HGX-G	120	240	360	246.0	

HGX-BLACK

PAL/SECAM



- A top-quality tape recommended as an ideal hi-fi tape, particularly for demanding recordings.



LINEUP

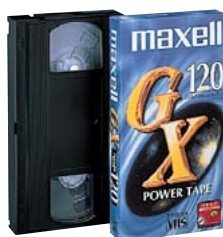
Model	Recording time (min)		Tape length (m)	Tape width (mm)
	SP Mode (x1)	LP Mode (x2)		
E-180HGX (B)	180	360	258.0	12.65
E-120HGX (B)	120	240	173.0	

GX

NTSC



- A powerful multi-use tape with excellent recording quality.



LINEUP

Model	Recording time (min)			Tape length (m)	Tape width (mm)
	SP Mode (x1)	LP Mode (x2)	EP Mode (x3)		
T-120GX	120	240	360	246.0	12.65

GX

PAL/SECAM



- A powerful multi-use tape with excellent recording quality.



LINEUP

Model	Recording time (min)		Tape length (m)	Tape width (mm)
	SP Mode (x1)	LP Mode (x2)		
E-240GX	240	480	343.0	12.65
E-180GX	180	360	258.0	
E-120GX	120	240	173.0	

XR-Metal

PAL/SECAM



- Can be used with both the Hi8 and Digital 8™ formats of camcorders, with over 400 lines of horizontal resolution setting new standards in video image quality.



LINEUP

Model	Recording time (min)			Tape length (m)	Tape width (mm)
	Digital 8™ in SP/LP Mode	SP Mode (x1)	LP Mode (x2)		
P5-90XR	60	90	180	112.0	8.0

Digital 8 is a trademark of SONY Corporation.

GX-Metal

PAL/SECAM



- A reliable and durable high-quality 8mm tape for everyday use.



LINEUP

Model	Recording time (min)		Tape length (m)	Tape width (mm)
	SP Mode (x1)	LP Mode (x2)		
P5-90GX	90	180	112.0	8.0

Data Media

Efficient, reliable storage for the digital era

Since debuting the LTO Ultrium 1 Data Cartridge and Super DLTtape I in 2000, Maxell has kept raising the standards of media for reliable backup storage of vast volumes of digital data. Such tireless dedication to improve is why Maxell optical disc and tape media will remain mainstays of the information network society.



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CD-RW — p. 14

Floppy Disk — p. 15

DLTtape® S4 — p. 16

Super DLTtape® — p. 16

DLTtape® — p. 17

LTO — p. 18

DAT 160 Data Cartridge — p. 20

DAT 72 Data Cartridge — p. 20

DDS — p. 21

Holographic Recording Media — p. 22*

*Under development

CD-R



- Recording capacity* of 700MB.
- Maxell CD-R has up to 52X recording speed (48x with printable discs) which allows for wide compatibility with the various drives on the market.
- Conforms to Orange Book Part II specifications.
- Large capacity recording in digital data, text, video, graphics, photographs, etc.
- Write once media makes it unalterable, ideal for archival and legal files.
- Ideal for small production runs of a CD-R to CD-ROM Mastering.

SPECIFICATIONS

	Unit	CD-R80 (MQ) H1P	CD-R80PW (MQ) G1P
Recording capacity*	MB	700	

* Obtained in Mode 1 recording.



CD-RW



- Durable through up to 1,000 rewritings.*
- Compatible with MultiRead CD-ROM and DVD-ROM Drives.
- CD-RWH80 High Speed is 4X to 10X speed compatible.
- CD-RW80 is 1X to 4X speed compatible.
- The CD-RW supports the packet file format which allows ease of use similar to that of diskettes and MO disks.
- Conforms to Orange Book Part III specifications.
- Ideal for updating software/programs during writing, programming, and developmental stages.
- The CD-RW, having rewritable capability, can be applied across a wide range of multimedia uses.

*Verified by Maxell's standard testing.

SPECIFICATIONS

Items	Unit	CD-RW80 (MQ) 1P 4X	CD-RW80 (MQ) 1P 10X
Recording capacity*	MB	700	700

* Obtained in Mode 1 recording.



90mm (3.5-inch) Floppy Disk SUPER RD-ULTRA

- Multilayer disk liner maintains low error rate and keeps the magnetic surface clean.
- Patented Dual-interlocking Flex Shutter™ to protect the disk if dropped.
- Ready Windows®/MS-DOS formatted.
- Available in five colors for easier grouping, storing, and file access.
- Basic data storage needs.



SPECIFICATIONS

Model		Unit	MF2-HD	MF2-DD
Double-sided/Single-sided		-	Double-Sided	
High density/Double density		-	High density	Double density
Recording capacity	Unformatted	MB	2.0	1.0
	Formatted	MB	1.44	0.72

LINEUP

		MF2-HD		
		10 pack	3 pack	1 pack
Windows/ MS-DOS formatted	HD	Paper	MF2-HD.DOS.10K	-
		Plastic	MF2-HD.DOS.10P	-
		Mix	MF2-HD.DOS(MIX)10P	-
		Black	-	MF2-HD.DOS.3P
		Blue	MF2-HD.DOS(BL)10P	MF2-HD.DOS(BL)1P
		Green	MF2-HD.DOS(GN)10P	MF2-HD.DOS(GN)1P
		Pink	MF2-HD.DOS(PK)10P	MF2-HD.DOS(PK)1P
		White	MF2-HD.DOS(MW)10P	MF2-HD.DOS(MW)1P

Note: Windows and MS-DOS are registered trademarks of Microsoft Corp. in the U.S. and/or other countries.



Computer Tapes

DLTtape® S4



- NeoSMART technology extends computer tape capacity to 800GB (1.6TB compressed data).
- Advanced backcoating technology ensures superior laser servo characteristics.
- Fine ceramic armor metal particles provide high-energy performance and long-term storage.
- Supreme smoothness of Maxell's PET base film keeps head contact stable for high S/N characteristics.
- New cartridge design smoothes tape running and enhances shock resistance.

SPECIFICATIONS

Model	Unit	DLTS4/2100X
Cartridge color		Black
Tape length	m	640
Tape thickness	μm	8
Tape width	mm	12.65
Coercivity	kA/m	215
Storage capacity (compressed)	GB	800 (600)
Transfer rate (compressed)	MB/s	60 (120)
Cartridge dimensions	mm	105.8 x 105.4 x 25.4
Units		10 cartridges per inner sleeve/20 cartridges per outer carton

Note: Specifications are nominal values.



Super DLTtape® II



- Utilizing NeoSMART technology achieves a high capacity of 300GB (600GB compressed data) that makes it an ideal medium for advanced data storage.
- Ultra-thin magnetic layer technology and calendering technology assures smooth tape surface.
- A high-precision leader buckling mechanism provides accurate tape loading.

SPECIFICATIONS

Model	Unit	SDLT2/2100
Cartridge color		Blue
Tape length	m	630
Tape thickness	μm	8
Tape width	mm	12.65
Coercivity	kA/m	210
Storage capacity (compressed)	GB	300 (600)
Transfer rate	MB/s	36
Cartridge dimensions	mm	105.8 x 105.4 x 25.4
Units		10 cartridges per inner sleeve/20 cartridges per outer carton

Note: Specifications are nominal values.



- DLTtape, Super DLTtape and DLTtape logo are trademarks or registered trademarks of Quantum Corporation in the U.S.A. and other countries.

Super DLTtape® I



- Super-fine and high-energy Ceramic Armor metal particles with superior long-term storage performance are ideal for MR heads.
- New cartridge design offers superior anti-deformity and durability.
- Ultra-thin coating and special calendering technologies provide high output signal quality.

SPECIFICATIONS

Model	Unit	SDLT1/1800
Cartridge color		Green
Tape length	m	557
Tape thickness	μm	9
Tape width	mm	12.65
Coercivity	kA/m	151
Storage capacity (compressed)	GB	160 (320)*1
		110 (220)*2
Transfer rate (compressed)	MB/s	16 (32)*1
		11(22)*2
Cartridge dimensions	mm	105.8 x 105.4 x 25.4
Units		10 cartridges per inner sleeve/20 cartridges per outer carton

*1: SDLT320 drive. *2: SDLT220 drive.

Note: Specifications are nominal values.



SDLT Cleaning Tape

- For periodical cleaning of Super DLTtape drive (SDLT600, SDLT 220 and SDLT 320).
- Good for up to 20 cleanings.

LINEUP

Model	Type
SDLT1/CL	SDLT Cleaning Tape



DLTtape® III, DLTtape® IIIXT, and DLTtape® IV



- Super-fine metal particle diffusion technology gives the tapes superior durability.
- Tape slitting technology reduces waving of tape edges.
- High capacity and reliability make this tape ideal for DVD mastering.

SPECIFICATIONS

Model	Unit	D88/1800	D87/1800	D85/1200
Type		DLTtape IV	DLTtape III XT	DLTtape III
Cartridge color		Black	White	Brown
Tape length	m	557		365
Tape thickness	μm	9		13
Tape width	mm	12.65		
Coercivity	kA/m	151	124	
Storage capacity (compressed)	GB	40/80 (35/70)*1 (20/40)*2	15/30	10/20
Transfer rate (compressed)	KB/s	6,000 (5,000)*1 (1,500)*2	1,250	
Cartridge dimensions	mm	105.8 x 105.4 x 25.4		
Units		10 cartridges per inner sleeve/20 cartridges per outer carton		

*1 DLT7000 drive. *2 DLT4000 drive.

Note: Specifications are nominal values.



DLT Cleaning Tape

- For periodical cleaning of DLTtape drives (DLT 2000, 2000XT, 4000, 7000, and 8000 drives).
- Good for up to 20 cleanings.

LINEUP

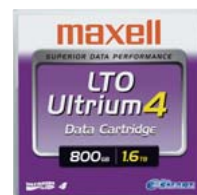
Model	Type
D85/CL	DLT Cleaning Tape III



LTO Ultrium 4 Data Cartridge



- Advanced ultra-fine Ceramic Armor metal particles provide high output and recording densities with improved magnetic energy performance and S/N ratio.
- Proprietary dual binder system enhances tape durability and stability during long-term storage.
- High-rigidity PEN (Polyethylene Naphthalate) base film with superior dimensional stability achieves highly reliable data recording and playback.
- Highly reliable tracking servo technologies ensure stable servo characteristics and superior tracking reliability.
- Provides up to twice the built-in memory of previous tapes.
- Data encryption capabilities enable the LTO drive to perform hardware-based 256-AES (Advanced Encryption Standard) encryption at tape drive level.
- Maxell LTO 4 cartridge labels are made from recycled materials.



SPECIFICATIONS

Model	Unit	LTOU4/800 XJ	LTOU4/800W XJ
Cartridge color	—	Teal	Teal/Gray two-tone
Tape length	m	820	
Tape thickness	μm	6.6	
Tape width	mm	12.65	
Coercivity	kA/m	215 (2700 Oe)	
Storage capacity (compressed)	GB (TB)	800 (1.6)	
Transfer rate (compressed)	MB/s	120 (240)	
Cartridge dimensions	mm	102.0 x 105.4 x 21.5	
Units	—	5 cartridges per inner carton/20 cartridges per outer carton	

Note: Specifications are nominal values.

WORM Data Cartridge

Write Once Read Many is a data storage technology that allows information to be written a single time and prevents the drive from erasing or over writing the data.

LTO Ultrium 3 Data Cartridge



- LTO Ultrium technology is backward compatible with earlier generations, allowing LTO-3 end-users continued access to Ultrium 1 & 2 tape archives and providing investment security for years to come.
- Highly accurate servo writing technologies employed by Maxell ensure stable servo characteristics and superior tracking reliability thereby preventing the occurrence of off-track and data loss.
- Superior physical properties inherent in Maxell tape allow advanced reliability.
- The extremely smooth, high-rigidity PEN basefilm allows improved dimensional stability during drive operation for more accurate recording and excellent archival storage.
- Maxell LTO-3 cartridges also incorporate a built-in cartridge memory, allowing storage of historical usage records, indexing and high-speed data searches by the drive.



SPECIFICATIONS

Model	Unit	LTOU3/400	LTOU3/400W
Cartridge color	—	Gray-blue	
Tape length	m	680	
Tape thickness	μm	8	
Tape width	mm	12.65	
Coercivity	kA/m	215 (2700 Oe)	
Storage capacity (compressed)	GB	400 (800)	
Transfer rate (compressed)	MB/s	40-80 (80-160)	
Cartridge dimensions	mm	102.0 x 105.4 x 21.5	
Units	—	5 cartridges per inner carton/20 cartridges per outer carton	

Note: Specifications are nominal values.

WORM Data Cartridge

Write Once Read Many is a data storage technology that allows information to be written a single time and prevents the drive from erasing or over writing the data.

LTO Ultrium 2 Data Cartridge

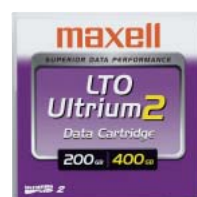


- Uses high-coercivity Ceramic Armor metal particles to provide a high level of output, a superior signal-to-noise ratio and a low, stable error rate.
- Highly accurate magnetic servo writing technologies provide superior servo characteristics, even with the increased data track density of the Ultrium 2 format.
- Advanced molding and processing technologies achieve a durability of over 20,000 loads/unloads.
- A base film with superior dimensional stability offers stable data recording and playback as well as improved reliability for high-density recording and long-term storage & archiving.
- Non-contact cartridge memory (4KB) supports cartridge control for high-speed data search and library functions.

SPECIFICATIONS

Model	Unit	LTOU2/200
Cartridge color	—	Purple
Tape length	m	609
Tape thickness	μm	9
Tape width	mm	12.65
Coercivity	kA/m	195 (2450 Oe)
Storage capacity (compressed)	GB	200 (400)
Transfer rate (compressed)	MB/s	20-40 (40-80)
Cartridge dimensions	mm	102.0 x 105.4 x 21.5
Units	—	5 cartridges per inner carton/20 cartridges per outer carton

Note: Specifications are nominal values.



LTO Ultrium 1 Data Cartridge



- Magnetic servo recording technology for highly accurate tracking.
- Super-fine and high-energy Ceramic Armor metal particles with superior long-term storage performance are ideal for MR heads.
- Combination of two types of binders improves durability.
- Special calendering technologies offer ultra-thin coating and ultra-smoothness.
- High-performance base film with superior dimensional stability during long-term storage.
- Non-contact 4KB memory for indexing.

SPECIFICATIONS

Model	Unit	LTOU1/100
Cartridge color	—	Black
Tape length	m	609
Tape thickness	μm	9
Tape width	mm	12.65
Coercivity	kA/m	155 (1950 Oe)
Storage capacity (compressed)	GB	100 (200)
Transfer rate (compressed)	MB/s	10-20 (20-40)
Cartridge dimensions	mm	102.0 x 105.4 x 21.5
Units	—	5 cartridges per inner carton/20 cartridges per outer carton

Note: Specifications are nominal values.



LTO Ultrium Universal Cleaning Cartridge (UCC)

- For periodical cleaning of LTO Ultrium drives with UCC dedicated firmware installed.
- Cleaning cartridge for use with all Ultrium 1, 2 and 3 drives.

LINEUP

Model	Type
LTOU1/UCL	Ultrium Universal Cleaning Cartridge

Notes: 1) Ultrium 1 drives: 15-50 cleanings (drive dependent). Ultrium 2 & 3 drives: 50 cleanings.

2) Package design shown is for Europe/Asia markets.



• Linear Tape-Open, LTO, LTO logo, Ultrium and Ultrium logo are trademarks of HP, IBM and Quantum in the U.S., and/or other countries.

DAT 160 Data Cartridge



- High-coercivity ceramic armor metal particles boast high capacity, long-term magnetic stability and low error rate.
- Highly reliable compact data cartridge achieves 160GB capacity with thin and wide tape.
- Aramid base film provides superior dimensional stability and smooth tape travel, and is useful for long-term archiving.
- Head cleaner developed for the DAT 160 helps retain optimum data storage performance.



SPECIFICATIONS

Model	Unit	DAT 160 XJ	DAT 160W XJ	DDS/DAT Cleaning Cartridge II
Cartridge color	—	Black	Black/Gray cover two-tone	Black
Tape length	m	155		60
Tape thickness	μm	5.6		6.8
Tape width	mm	8.0		
Coercivity	kA/m	190 (2390 Oe)		—
Storage capacity (compressed)	GB	80 (160)		—
Transfer rate (compressed)	MB/s	6.9 (49.3)		—
Cartridge dimensions	mm	73.0 x 54.0 x 14.7		
Units	—	10 cartridges per inner carton and 50 per outer carton		

Note: Specifications are nominal values.

DAT 72 Data Cartridge



- High-coercivity Ceramic Armor metal particles offer stability and low error rate.
- Ultra-thin coating technology allows for tape thickness as thin as 5.3μm and tape length up to 170m for high data storage capacity.
- Compact data cartridge is highly reliable, using the DDS cartridge standard.
- Uses aramid film for the base film, which allows stable data recording and playback, suitable for long-term storage & archiving.

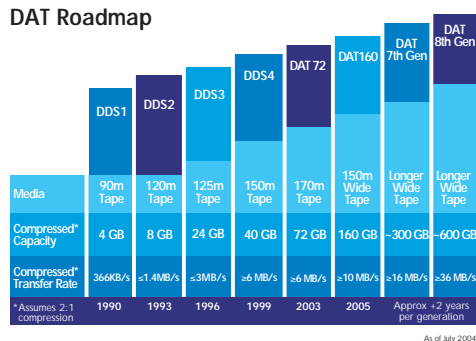


SPECIFICATIONS

Model	Unit	HS-4/170S
Cartridge color	—	Black
Tape length	m	170
Tape thickness	μm	5.3
Tape width	mm	3.80
Coercivity	kA/m	190
Storage capacity (compressed)	GB	36 (72)
Transfer rate (compressed)	MB/s	3 (6)
Cartridge dimensions	mm	73.0 x 54.0 x 10.5
Units	—	10 cartridges per inner carton and 50 per outer carton

Note: Specifications are nominal values.

DAT Roadmap



DDS-4/DDS-3/DDS-2/DDS (HS-4)



- Super-fine particles and high-energy magnetic material offer high capacity.
- Thin base film and special dispersion technology secure a high level of operational reliability.
- Maxell's proprietary Safe-T-Lock hub-locking mechanism prevents slackening of the tape which can be caused by sudden impacts.

SPECIFICATIONS

Model	Unit	HS-4/150S	HS-4/125S	HS-4/120S	HS-4/90S
Type	—	DDS4	DDS3	DDS2	DDS
Tape length	m	155	125	124	91
Tape thickness	μm	5.6	6.8		9
Tape width	mm	3.80			
Coercivity	kA/m	190		135	122
Storage capacity (compressed)	GB	20/40	12/24	4/8	2/4
Transfer rate (compressed)	KB/s	3,060	1,020	510	183
Cartridge dimensions	mm	73.0 x 54.0 x 10.5			
Units	—	10 cartridges per inner carton and 50 per outer carton			

Note: Specifications are nominal values.

TAPE/DRIVE COMPATIBILITY

Maxell	Drive				
	DDS	DDS2	DDS3	DDS4	DAT72
HS-4/170S	—	—	—	—	O
HS-4/150	—	—	—	O	O
HS-4/125	—	—	O	O	O
HS-4/120	—	O	O	O	—
HS-4/90, 60	O	O	O	O*	—

O: Can read/write.

O*: Drive dependent.



DDS Cleaning Cartridge

- Good for up to 50 cleanings (Drive dependent).
- For periodic cleaning of 4mm data cartridge drives.

LINEUP

Model	Type
HS-4/CL	4mm Cleaning Cartridge

Note: The HS-4/CL can be used with DAT72, DDS4, DDS3, DDS2, and DDS drives.



Holographic Recording Media

Growing data storage capacity from hundreds of gigabytes to tomorrow's terabyte levels.

- New-generation holographic recording media utilizes a three-dimensional recording system in which holographic data (interference patterns) is recorded beyond the surface, through the entire depth of the medium.
- Page data recording makes it possible for a million bits to be written and read out as two-dimensional data in parallel with a single flash of light.
- Multiplex recording can store multiple pages of data in the same location at very high density deeply within the medium.
- Extra-high storage density is realized by disk design compatible with InPhase Technologies' Polytopic multiplexing method.
- Simple disk structure – recording material sandwiched between two clear substrates.
- Recording layer maintains archival data integrity for over 30 years.
- Exceptionally flat optical disk is made possible by Maxell innovation based on InPhase's Zerowave™ disk bonding technology.
- Extraordinary precision with superior coordination throughout an extra-efficient mass-production process.
- Exclusive light-tight cartridge protects photosensitive recording layer from external light.



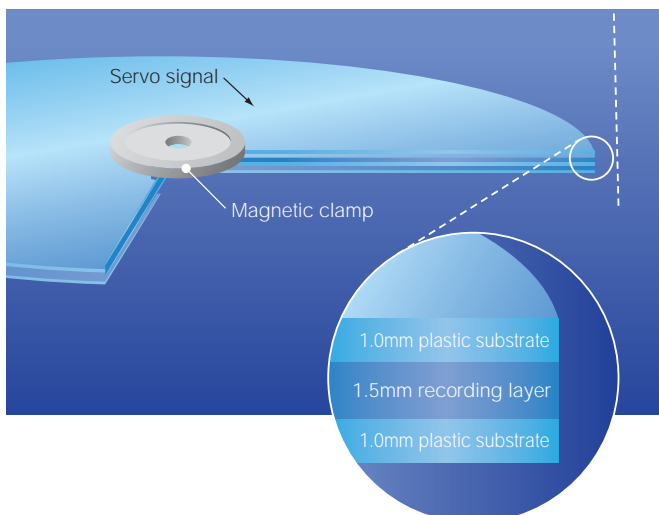
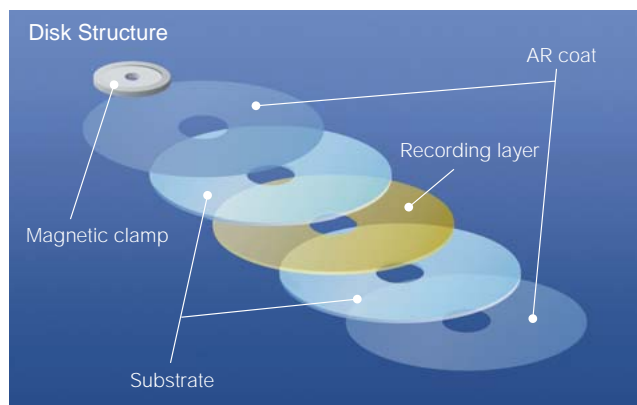
Disk

Capacity	300GB
Transfer Rate	160 Mbps
Rewritability	WriteOnce
Wavelength	405nm
Disk Diameter	5.25" / 130mm
Shelf Life	> 2 years
Archival Life	> 30 years

Cartridge

Dimensions	5.25" / 130mm ISO standard size
Special Feature	Light-tight design

InPhase Technologies and Zerowave™ are trademarks or registered trademarks of InPhase Technologies Inc. in the United States of America and other countries.



A u d i o M e d i a

High performance all around

Maxell's introduction in the 1970s of UD series cassette tapes especially designed for music presaged the company's rollouts of new consumer audio/video equipment and media formats, and attracted a growing contingent of fans and devoted customers in the process. Maxell continues to maintain that momentum, meeting high expectations with even higher performance.



CD-R Music — p. 24


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UE — p. 24

CD-R Music



- Digital audio recording.
- CD-R Music discs may be recorded only once.
- Simple-to-use booklet back cover for titling.
- Recorded CD-R Music discs will play back in most audio CD players, including car, portable, home and computer-based CD players.
- With existing CD recorders 80 minutes can be recorded with a sound quality equivalent to that of a CD.
- Maxell CD-R Music is designed for use in all stereo component-based CD-R recorders bearing this mark. 



LINEUP

Model	Recording time (min)
CD-R80 MU IP 32X	80

DAT (Digital Audio Tape)



- Digital recording.
- Utilizes five-layer tape structure with Maxell's own Ceramic Armor Metal Particles.
- Ideal for recording all your various music needs.

LINEUP

Model	Recording time (min)	Tape length (m)	Tape width (mm)
DM-180	180	89.5	3.81
DM-120	120	60.0	
DM-90	90	45.2	
DM-60	60	30.5	
DM-46	46	23.6	



DAT Head Cleaner

- Dry type cleaning tape for DAT cassette decks.

LINEUP

Model	Type	Tape length (m)	Tape width (mm)
R-CL (A)	DAT Head Cleaner	5.0	3.81



MQ

- Extra dynamic recording from CDs and other digital sources.
- Ideal for recording all your music needs.

LINEUP

Model	Recording time (min)	Tape length (m)	Tape width (mm)
MQ-120	120	178.0	3.81
MQ-90	90	135.0	
MQ-60	60	90.0	
MQ-46	46	69.0	



UE

- For your standard recording needs.

LINEUP

Model	Recording time (min)	Tape length (m)	Tape width (mm)
UE-120	120	178.0	3.81
UE-90	90	135.0	
UE-60	60	90.0	
UE-46	46	69.0	



Professional Broadcast Media

Peak precision, reliability and consistency

Since their introduction in 1989, Betacam SP-B-MBQ professional videotapes have enabled Maxell to lead the way innovating superior professional broadcast metal tape media that feature fine magnetic particle technology. Now, Maxell Professional Discs for XDCAM systems further extend long-term reliability and quality of high-density audio/video recording.



HDCAM — p. 26

Digital BETACAM — p. 26

BETACAM SX — p. 27

BETACAM SP — p. 27

DVCPRO — p. 28

D-5 — p. 28

D-2 — p. 29

Professional DV — p. 29

PRO DAT — p. 30

Professional Disc for XDCAM — p. 30

HDCAM

1/2-inch Digital High-Definition Videocassette (Metal Tape)

- The Maxell HDCAM videotape has attained HDTV recording by increasing recording density to 1.4 times more than the Digital Betacam format, offering superior quality digital HD picture for a wide range of applications from transmission to HD ENG/EFM, which is enabled by its high-mobility compact cassette size.
- Compared to Digital Betacam, HDCAM employs even finer 0.1µm NEW Ceramic Armor Metal Magnetic particles.
- Utilizing Maxell's superior ultra-high performance binder systems, the new "B-HD" series cassettes achieve the exceptional durability essential to resilience in the volatile environments of outdoor shoots, while exceeding the compulsory storage performance demands of long-term archiving.



SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	12.65
	Tape thickness	µm	13.8
	Magnetic layer thickness	µm	3.0
	Breaking strength	N (kgf)	49 (5.0)
	Residual elongation	%	0.07
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	131 (1650)
	Retentivity (Br)	mT (G)	280 (2800)

Note: HDCAM is a trademark of SONY Corporation

LINEUP

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
L	B-124HDL	124	732	2,402	254 x 145 x 25	271 x 162 x 33
	B-94HDL	94	557	1,827		
	B-64HDL	64	382	1,253		
	B-34HDL	34	206	676		
S	B-40HD	40	241	791	156 x 96 x 25	172 x 111 x 33
	B-32HD	32	195	640		
	B-22HD	22	136	446		
	B-12HD	12	78	256		
	B-6HD	6	43	141		

Digital BETACAM

1/2-inch Component Digital Videocassette (Metal Tape)

- Offers maximum performance with exclusive multi-orientation technology and advanced dispersion systems, a high-durability design with Maxell Ceramic Armor Metal Particles, and smooth tape travel.
- Utilizes an advanced cassette mechanism to bring about ultra-low error performance, ideal for all types of professional applications-ENG/EFM, editing, transmission, and post-archival playback.
- Shock-resistant high-electroconductivity shell raises long term reliability.



SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	12.65
	Tape thickness	µm	13.8
	Magnetic layer thickness	µm	3.0
	Breaking strength	N (kgf)	49 (5.0)
	Residual elongation	%	0.07
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	127 (1,600)
	Retentivity (Br)	mT (G)	260 (2,600)

LINEUP

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
L	B-D124L	124	732	2,402	254 x 145 x 25	271 x 162 x 33
	B-D94L	94	557	1,827		
	B-D64L	64	382	1,253		
	B-D34L	34	206	676		
S	B-D40	40	241	791	156 x 96 x 25	172 x 111 x 33
	B-D32	32	195	640		
	B-D22	22	136	446		
	B-D12	12	78	256		
	B-D6	6	43	141		

BETACAM SX

1/2-inch Component Digital Videocassette (Metal Tape)

BETACAM SX

- Betacam SX achieves 4:2:2 component digital recording and backward compatibility with non-linear editing systems and video servers.
- A superior product unsurpassed in its reliability for ENG/EFP operations under various environmental conditions.
- Maxell has employed a highly accurate cassette shell originally developed for Digital Betacam to optimize smooth tape travel.
- A unique process of minimizing tape shrinkage is incorporated which achieves superior stability characteristics suitable for long-term storage such as video archiving.

SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	12.65
	Tape thickness	μm	14.0
	Magnetic layer thickness	μm	1.5
	Breaking strength	N (kgf)	43 (4.4)
	Residual elongation	%	0.06
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	127 (1600)
	Retentivity (Br)	mT (G)	250 (2500)

Note: BETACAM SX is a trademark of SONY Corporation.

LINEUP

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
L	B-194SXL	194	707	2,320	254 x 145 x 25	271 x 162 x 33
	B-184SXL	184	671	2,201		
	B-124SXL	124	456	1,496		
	B-94SXL	94	349	1,145		
	B-64SXL	64	241	791		
S	B-62SX	62	231	758	156 x 96 x 25	172 x 111 x 33
	B-32SX	32	124	407		
	B-22SX	22	88	289		
	B-12SX	12	52	171		
	B-6SX	6	31	102		



BETACAM SP

1/2-inch Component Videocassette (Metal Tape)

BETACAM SP

- Maxell Betacam SP takes on any taping task with Ceramic Armor Metal Particle technology, producing phenomenal picture clarity and ultra-high reliability.
- High output characteristics over a wide frequency range ensure high-fidelity video and audio performance that make Maxell Betacam SP perfect for master tape applications.

SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	12.65
	Tape thickness	μm	14.5
	Magnetic layer thickness	μm	3.0
	Breaking strength	N (kgf)	44 (4.5)
	Residual elongation	%	0.07
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	121 (1,520)
	Retentivity (Br)	mT (G)	250 (2,500)

LINEUP

Cassette size	Model	Recording time (min)		Tape length		Cassette dimensions (mm)	Case dimensions (mm)
		(NTSC)	(PAL)	(m)	(ft)		
L	B-90MLBQ	94	110	670	2,198	254 x 145 x 25	271 x 162 x 33
	B-60MLBQ	64	75	457	1,499		
	B-30MLBQ	34	39	243	797		
	B-20MLBQ	23	29	172	564		
	B-10MLBQ	13	15	93	305		
S	B-30MBQ	31	36	222	728	156 x 96 x 25	172 x 111 x 33
	B-20MBQ	21	24	150	492		
	B-10MBQ	11	12	78	256		
	B-5MBQ	6	6	42	138		



DVCPRO

1/4-inch Component Digital Videocassette (Metal Tape)

DVCPRO

DVCPRO
DIGITAL VIDEO CASSETTE

DVCPRO 50

- World's smallest broadcast-use digital videocassette, which achieves superior image quality across a wide range of applications, such as ENG, EFP, editing & transmission, etc.
- Maxell DVCPRO is also compatible with DVCPRO 50 and DVCPRO P formats.
- Maxell's special binder system ensures long-term durability when the tape is used in extreme ENG/EFP environments and demanding playback modes, such as still and shuttle.
- Maxell's unique 0.1μm New Ceramic Armor Metal Particles and a new calendering technology result in improved short wavelength output, decreased noise, and minimized spacing loss with the head.



SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	6.35
	Tape thickness	μm	8.5
	Breaking strength	N (kgf)	10 (1.0)
	Residual elongation	%	0.2
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	187 (2,350)
	Retentivity (Br)	mT (G)	380 (3,800)

LINEUP

Cassette size	Model	Recording time (min)		Tape length		Cassette dimensions (mm)	Case dimensions (mm)
		DVCPRO	DVCPRO50 DVCPRO P	(m)	(ft)		
L	DVP-126L	126	63	259	850	125 x 78 x 14.6	132.5 x 83.5 x 20
	DVP-94L	94	47	194	636		
	DVP-66L	66	33	137	449		
	DVP-34L	34	17	72	236		
M	DVP-66M	66	33	137	449	97.5 x 64.5 x 14.6	105 x 70 x 20
	DVP-46M	46	23	96	315		
	DVP-33M	33	16.5	70	230		
	DVP-24M	24	12	51	167		
	DVP-12M	12	6	27	89		

LINEUP (DVCPRO HD)

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
XL	DVPHD-126EXL	126	515	1690	172 x 102 x 14.6	192 x 121 x 25

Note: It is with the DVCPRO HD-LP format VTR at the record time.

LINEUP (DVCPRO 50)

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
XL	DVP50-126XL	126	515	1690	172 x 102 x 14.6	192 x 121 x 25

D-5

1/2-inch Component Digital Videocassette (Metal Tape)

D-5 XD
1/2" DIGITAL

- D-5, the 1/2-inch component digital format, utilizes its high data transfer rate of 301Mb/s for realizing uncompressed component picture for standard definition TV, and its low 1/4 compression rate achieves superior picture quality for high-definition TV.
- Maxell's unique 0.1μm New Ceramic Armor Metal Particles exhibit a high magnetic energy, and a new calendering process for optimizing tape surface smoothness realizes higher short wavelength output and decreased noise.
- Employs a patented SW (Smooth Winding) reel which maintains extremely precise tape winding.



SPECIFICATIONS

Item		Unit	D5C124L D5C63M	D5C94L·D5C48M D5C33M, D5C12M
Physical properties	Tape width	mm	12.65	
	Tape thickness	μm	10.8	13.5
	Magnetic layer thickness	μm	2.8	3.0
	Breaking strength	N (kgf)	34 (3.5)	54 (5.5)
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	148 (1,860)	133 (1,670)
	Retentivity (Br)	mT (G)	290 (2,900)	260 (2,600)

LINEUP

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
L	D5C124L	124	1,249	4,098	296 x 167 x 25	315 x 182 x 34
	D5C94L	94	947	3,107		
M	D5C63M	63	635	2,083	212 x 124 x 25	231 x 144 x 33
	D5C48M	48	485	1,591		
	D5C33M	33	334	1,096		
	D5C12M	12	123	404		

D-2

3/4-inch Composite Digital Videocassette (Metal Tape)



- Maxell's D-2 series offers lower error rates, longer VTR head life, and smoother high-speed winding.
- These digital videocassettes also provide high reliability and durability, a conductive backcoating for stable operation and dust-proof protection, a high-precision cassette mechanism and a high-performance SW (Smooth Winding) reel.



SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	19.010
	Tape thickness	μm	12.5
	Magnetic layer thickness	μm	2.1
	Breaking strength	N (kgf)	74 (7.6)
	Residual elongation	%	0.07
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	122 (1,540)
	Retentivity (Br)	mT (G)	250 (2,500)

LINEUP

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
L	D2L-208MDV	208	1,653	5,423	366 x 206 x 33	Carrying case 430 x 284 x 52
	D2L-188MDV	188	1,495	4,905		
	D2L-156MDV	156	1,242	4,075		
	D2L-126MDV	126	1,004	3,294		
M	D2M-94MDV	94	751	2,464	254 x 150 x 33	Hard case 285 x 175 x 42
	D2M-64MDV	64	513	1,683		
	D2M-34MDV	34	276	906		
	D2M-18MDV	18	149	489		
	D2M-12MDV	12	102	335		
	D2M-6MDV	6	54	177		
S	D2S-32MDV	32	260	853	172 x 109 x 33	Hard case 196 x 130 x 42
	D2S-22MDV	22	181	594		
	D2S-12MDV	12	102	335		
	D2S-6MDV	6	54	177		
	D2S-6CM	6	54	177		

Professional DV

1/4-inch Digital Videocassette (Vapor-Deposited Tape)



- Maxell created Multipuretron vapor-deposited film to make this videotape capable of handling even higher levels of output than Maxell consumer DV videotape.
- Maxell Professional DV is particularly excellent in terms of durability and reliability, resisting clogging and providing stable still image playback, even under conditions of repetitive use.
- A layer of lubricant on Maxell Professional DV videotape extends head life and prevents head clogs under various operating conditions.
- The cassette is housed in a specially designed PP storage case that effectively resists dust, heat and shocks.



SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	6.35
	Tape thickness	μm	7.0
Magnetic properties	Coercivity (Hc)	kA/m (Oe)	120 (1,510)
	Retentivity (Br)	mT (G)	500 (5,000)
	Squareness ratio (Br/Bm)	—	0.8
Video properties	RF output (21MHz)	dB	0
	C/N*	dB	0
	Error rate	—	4 x 10 ⁻⁵

* Indicates a comparison with Maxell Reference tape.

LINEUP

Cassette size	Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
			(m)	(ft)		
Standard	DV-276MASTER	276	316	1037	125.1 x 78 x 14.6	132.5 x 83.5 x 20
	DV-186MASTER	186	213	699		
	DV-96MASTER	96	111	364		
Mini	DV-M63MASTER	63	74	243	66 x 48 x 12.2	73.6 x 52.4 x 16.5

PRO DAT



- Maxell's DAT Ceramic Armor Metal Particles deliver 2,600 Gauss of magnetic energy.
- An exceptionally uniform dispersion and surface calendering (polishing) process contributes toward raising RF output and lowering modulation noise.
- Maxell understands the needs of the professional user and included with our Pro DAT packaging is a large label area and a specially designed PP storage case to effectively resist dust, heat and shock.



SPECIFICATIONS

Item		Unit	Typical value
Physical properties	Tape width	mm	3.81
	Magnetic layer thickness	μm	2.5
	Residual elongation	%	0.1
Magnetic properties	Coercivity	kA/m (Oe)	126 (1,530)
	Retentivity	mT (G)	260 (2,600)

LINEUP

Model	Recording time (min)	Tape length		Cassette dimensions (mm)	Case dimensions (mm)
		(m)	(ft)		
R-125DA (P)	125	62	203	73 x 54 x 10.5	80.5 x 59 x 15.5
R-95DA (P)	95	48	157		
R-65DA (P)	65	33	108		
R-50DA (P)	50	26	85		
R-35DA (P)	35	18	59		
R-20DA (P)	20	10	33		

Professional Disc for XDCAM



- XDCAM-compatible Professional Disc utilizing blue-violet laser ensures superior picture quality and storage capacity.
- Single-sided 12cm optical media cartridge features CD/DVD-sized disc with enormous 23.3GB capacity.
- Nonlinear in nature to provide random access handling of high-quality audio/video content.
- High-precision stamping process employing high-precision laser-cutting control realizes the extra-fine ultra-low-pitch data track required for a blue-violet laser beam to read it.
- Speedy 86Mbps transfer rate on one optical head and 172Mbps on two optical heads.
- Unique phase change recording layer maximizes durability and minimizes data error due to minute warping.
- 0.1mm-thick light-transmitting recording material has a hard coat to protect the disc surface.
- High-precision cartridge shields out dust and minimizes handling error.



SPECIFICATIONS

Model	PDRE23A.1P
Storage capacity	23.3GB
Laser wavelength	405nm
Data transfer rate	172Mbps (2 optical heads)
	86Mbps (1 optical head)
Disc diameter	120mm
Cartridge size	128.6 x 130.6 x 9.1mm
Recording layer	Phase change material
Erase/write/read cycle	More than 1,000 times
Read cycles	More than one million times
Unit	5 cartridges per inner carton/50 cartridges per outer carton

RECORDING TIME

	Codec method	Transfer rate	Audio channels	Recording time
HD	MPEG HD MPEG2 MP@HL Number of pixels: 1,440 x 1,080	HQ mode (Variable bit rate: max. 35Mbps)	4 ch	65 min
			2 ch	65 min
		SP mode (Constant bit rate: 25Mbps)	4 ch	Approx. 85 min
			2 ch	Approx. 90 min
		LP mode (Variable bit rate: max. 35Mbps)	4 ch	112 min
			2 ch	122 min
SD	DVCAM	25Mbps	4 ch	Approx. 85 min
		50Mbps	8 ch	Approx. 45 min
	MPEG IMX	40Mbps	4 ch	Approx. 55 min
			8 ch	Approx. 55 min
		30Mbps	8 ch	Approx. 68 min
			4 ch	Approx. 68 min

B a t t e r i e s

More power to go

Maxell has led the industry since it started marketing alkaline batteries in 1963. Now, whether they are used for communication, imaging, information, medical or other applications, Maxell batteries feature the superior energy density and overall dependability that continue to set the highest standards.



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Li-ion

Lithium Ion Rechargeable Battery

- Higher operating voltage of 3.7V and higher energy density.
- Higher discharge rate for more powerful devices.
- Stable discharge under various temperatures/environmental conditions.
- Superior storage characteristics and convenience including minimal self-discharge.



SPECIFICATIONS

Type (Main Frame)		ICP043048GK	ICP053048GL	ICP653047AS	ICP403450AR	ICP463450SR (Under Development)	ICP553450AR	ICP653450AR
Dimensions* ¹	Thickness (mm)	4.4±0.2	5.3±0.3	6.2±0.3	3.9±0.2	4.4±0.2	5.2±0.3	6.2±0.3
	Width (mm)	29.3±0.2	29.5±0.2	30.0±0.2	33.7±0.2	33.8±0.2	33.8±0.2	33.8±0.2
	Height (mm)	47.8+0/-0.5	47.9+0/-0.5	47.1+0/-0.5	49.7+0/-0.5	49.6+0/-0.5	49.6+0/-0.5	49.6+0/-0.5
Weight (g)* ²		14	17	20	16	18	21	24
Charge (CCCV)	Max. voltage (V)	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	Max. current (A)	0.72	0.86	1.00	0.80	0.95	1.10	1.20
Discharge (CC)	End voltage (V)	2.75	2.75	2.75	2.75	2.75	2.75	2.75
	Max. current (A)	1.08	1.29	1.50	1.20	1.43	1.65	1.80
Nominal voltage (V)		3.7	3.7	3.7	3.7	3.7	3.7	3.7
Minimum capacity (mAh)* ³		720	860	1000	800	950	1100	1200

Type (Short Size)		ICP463443SR (New product)	ICP553443AR	ICP653443AR	ICP803443AR	ICP463446AR	ICP553446AR	ICP483640SR (New product)	ICP533640SR (New product)
Dimensions* ¹	Thickness (mm)	4.4±0.2	5.2±0.3	6.2±0.3	7.7±0.3	4.4±0.2	5.2±0.3	4.6±0.2	5.0±0.3
	Width (mm)	33.8±0.2	33.8±0.2	33.8±0.2	33.8±0.2	33.8±0.2	33.8±0.2	35.8±0.2	35.8±0.2
	Height (mm)	42.95+0/-0.5	42.8+0/-0.5	42.6+0/-0.5	42.6+0/-0.5	46.0+0/-0.5	46.0+0/-0.5	40.0+0/-0.5	40.0+0/-0.5
Weight (g)* ²		15	18	21	25	16	19	17	18
Charge (CCCV)	Max. voltage (V)	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	Max. current (A)	0.79	0.92	1.10	1.35	0.82	1.00	0.82	0.90
Discharge (CC)	End voltage (V)	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
	Max. current (A)	1.19	1.38	1.65	2.03	1.23	1.50	1.23	1.35
Nominal voltage (V)		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Minimum capacity (mAh)* ³		790	920	1100	1350	820	1000	820	900

Positive electrode: Lithium cobalt dioxide, Negative electrode: Graphite

*1: Dimensions of fresh cell without tube.

*2: Approximate value

*3: Capacity is according to the following conditions: Charge CCCV: 1C/4.2V/3h, Discharge 0.2C/E.V.=2.75V, Temperature 25 deg. C

Above specifications are subject to change without notice. For more detailed information and availability, please consult your Maxell representative.

ML Coin Type

Lithium Manganese Dioxide Rechargeable Battery

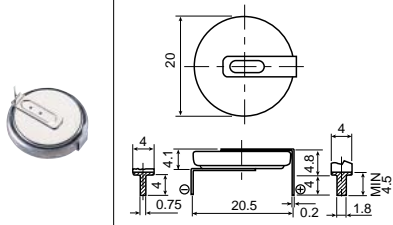
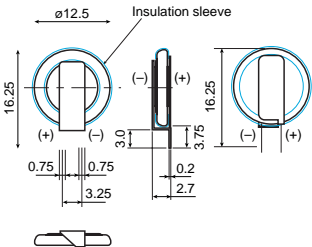
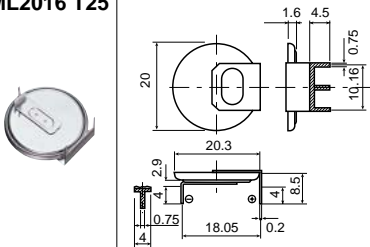
- Approx. 2.5V operating voltage.
- Superior charge/discharge characteristics.
- Wide -20°C to 60°C usable temperature range.
- Low self-discharge and superior leakage resistance.
- Excellent overcharge characteristics.
- UL (Underwriters Laboratories Inc.) Recognized Components.

SPECIFICATIONS

		ML2032	ML2016	ML1220
Nominal voltage (V)		3	3	3
Nominal capacity (mAh)*		65	25	18
Nominal discharge current (mA)		0.2	0.2	0.1
Charge/Discharge cycle lifetime	10%D.O.D	1,000 cycles at 6.5 mAh	1,500 cycles at 2.5 mAh	1,500 cycles at 1.8 mAh
	20%D.O.D	300 cycles at 13 mAh	500 cycles at 5 mAh	500 cycles at 3.6 mAh
Maximum charge	Current (mA)	2	2	1
	Voltage (V)	3.3	3.3	3.3
Weight (g)**		3.0	1.8	0.7
Dimensions (mm)**	Diameter	20.0	20.0	12.5
	Height	3.2	1.6	2.0

*Nominal capacity indicates duration until the voltage drops to 2.0V when discharged at a nominal discharge current at 20°C.

**Dimensions and weight are for the battery itself, but may vary depending on terminal specification and other factors.

Model	Dimensions	Model	Dimensions	Model	Dimensions
ML2032 T6		ML1220 T10		ML2016 T25	

Note: The above diagrams are a sample of the various specifications and configurations available. Please contact Maxell for more detailed information.

CR Coin Type

Lithium Manganese Dioxide Battery (Li/MnO₂)


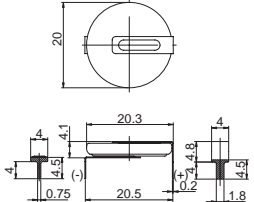

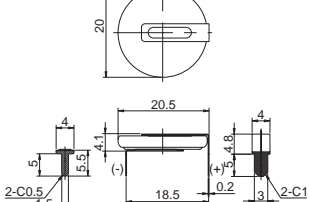

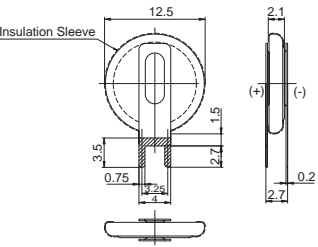

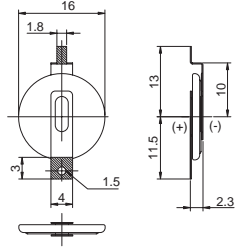
- High 3-volt energy density.
- Stable discharge characteristics through low internal resistance and high operating voltage.
- Superior leakage resistance and excellent storage characteristics.
- Superior high rate discharge characteristics.
- Optimum for memory and RTC backup.

SPECIFICATIONS

Model	CR2450	CR2430	CR2032H	CR2032	CR2025	CR2016	CR2012	CR1620	CR1616	CR1220	CR1216	CR1025
Nominal voltage (V)	3											
Nominal capacity (mAh)*	610	290	240	220	170	90	50	80	55	36	25	30
Nominal discharge current (mA)	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Weight (g)**	6.6	4.6	3.0	3.0	2.5	1.7	1.4	1.3	1.1	0.8	0.6	0.6
Dimensions (mm)**	Diameter	24.5	24.5	20.0	20.0	20.0	20.0	16.0	16.0	12.5	12.5	10.0
	Height	5.0	3.0	3.2	3.2	2.5	1.6	2.0	1.6	2.0	1.6	2.5

*Nominal capacity indicates duration until the voltage drops to 2.0V when discharged at a nominal discharge current at 20°C.

**Dimensions and weight are for the battery itself, but may vary depending on terminal specification and other factors.

Model	Dimensions	Model	Dimensions
CR2032 T6 LES 		CR2032 T23 	
CR1220 T4 		CR1616 T 	

Note: The above diagrams are a sample of the various specifications and configurations available. Please contact Maxell for more detailed information.

Heat Resistant Coin Type

Lithium Manganese Dioxide Battery

- Wide operating temperature range: -40°C to +125°C.
- Can be used even under 2000G, which is equivalent to driving at 300km/h.

SPECIFICATIONS

Model	CR2450HR	CR2450HR-EX
Nominal voltage (V)	3	
Nominal capacity (mAh)*	550	525
Nominal discharge current (mA)	0.2	
Operating temperature range (°C)	-40 to +125	-40 to +125 (max. 150)
Acceleration resistance	Max. 2000G (equivalent to driving at 300 km/h)	
Weight (g)**	6.8	
Dimensions (mm)**	Diameter	24.5
	Height	5.0

* Nominal capacity indicates duration until the voltage drops to 2.0V when discharged at a nominal discharge current at 20°C.

** Dimensions and weight are for the battery itself, but may vary depending on terminal specification and other factors.

• Data and dimensions are just reference values. For further details, please contact your nearest Maxell dealer or distributor.

CR Cylindrical Type

Cylindrical Lithium Manganese Dioxide Battery

- High-capacity.
- Low self-discharge rate and long battery life.
- Superior storage characteristics.

SPECIFICATIONS

Model	CR17450	CR17335
Nominal voltage (V)	3	
Nominal capacity (mAh)*	2600	1750
Nominal discharge current (mA)	5	
Weight** (g)	22	16
Dimensions** (mm)	Diameter	17
	Height	33.5

*Nominal capacity indicates duration until the voltage drops to 2.0V when discharged at a nominal discharge current at 20°C.

**Dimensions and weight are for the battery itself, but may vary depending on terminal specification and other factors.



ER

Lithium Thionyl Chloride Battery(Li/SOC12)

- High 3.6-V voltage.
- Flat discharge characteristics.
- High energy density.
- Wide usable temperature range.
- Superior long-term reliability.
- UL (Underwriters Laboratories Inc.) recognized component.

SPECIFICATIONS

Model	ER18/50 (Under Development)	ER17/50	ER6	ER6C	ER17/33	ER3	ER3S
Nominal voltage (V)	3.6						
Nominal capacity (mAh)*	3,650	2,750	2,000	1,800	1,600	1,100	790
Nominal discharge current (μA)	125	125	100	100	75	40	35
Weight (g)**	22	20	15	15	13	8	7
Shape and dimensions (mm)**							
ER6C WKP Housing: HNC-2.5S-2 Contact: HNC-2.5S-C-B(0.3) Lead wire: AWG26		ER17/33 WKP Housing: HNC2-2.5S-2 (Hirose) Contact: HNC-2.5S-C-B(03) (Hirose) Lead wire: AWG26		ER3 WKP Housing: IL-2S-S3L-(N) Contact: IL-C2-1-1000 Lead wire: AWG24		ER3S WKP Housing: IL-S-2S-S2C2- S Contact: IL-S-C2-S-1-10000 Lead wire: AWG26	

*Nominal capacity indicates duration until the voltage drops to 2.0V when discharged at a nominal discharge current at 20°C.

**Dimensions and weight are for the battery itself, but may vary depending on terminal specification and other factors.

Note: The above diagrams are a sample of the various specifications and configurations available. Please contact Maxell for more detailed information.

Blister Packs

SR Button-type, LR Button-type, CR Coin-type





- Durable SR, LR, and CR batteries conveniently packed for the retail market.
- Some of the following button batteries are available in 1pc. tablet packs, and/or 5pc. blister packs (1Bx5) and/or 10pc. blister packs (2Bx5). Detailed information is available upon request.

SR Button Type

Silver Oxide Battery

- Along with the technological progress of IC, LSI, and super LSI, the demand for smaller and thinner electronic devices has intensified. Maxell, with its know-how consolidated from many years of experience, has developed high-quality and extremely reliable Silver Oxide Batteries to meet these needs.





Recommended applications	Model	ht. 		Nominal voltage (V)	EVEREADY	DURACELL	VARTA	RAYOVAC
		ø x ht.(mm)	ø x ht.(inch)					
Watch High Drain 	SR44W	11.6 x 5.4	0.457 x 0.213	1.55	357	D357	V357, V541	357
	SR43W	11.6 x 4.2	0.457 x 0.165	1.55	386	D386	V386, V548	386
	SR1130W	11.6 x 3.05	0.457 x 0.120	1.55	389	D389	V389, V554	389
	SR1120W	11.6 x 2.05	0.457 x 0.081	1.55	391	D391	V391, V553	391
	SR936W	9.5 x 3.6	0.374 x 0.142	1.55	—	—	—	—
	SR927W	9.5 x 2.73	0.374 x 0.107	1.55	399	D399	V399, V543	399
	SR920W	9.5 x 2.05	0.374 x 0.081	1.55	370	D370	V370	370
	SR41W	7.9 x 3.6	0.311 x 0.142	1.55	392	D392	V392, V547	392
	SR726W	7.9 x 2.6	0.311 x 0.102	1.55	396	D396	V396, V556	396
	SR721W	7.9 x 2.1	0.311 x 0.083	1.55	361	D361	V361	361
	SR626W	6.8 x 2.6	0.268 x 0.102	1.55	376	—	—	376
	SR621W	6.8 x 2.15	0.268 x 0.085	1.55	—	—	—	—
Watch Low Drain 	SR44SW	11.6 x 5.4	0.457 x 0.213	1.55	303	D303	V303, V521	303
	SR43SW	11.6 x 4.2	0.457 x 0.165	1.55	301	D301	V301, V528	301
	SR1136SW	11.6 x 3.6	0.457 x 0.142	1.55	344	D344	V344, V529	344
	SR1130SW	11.6 x 3.05	0.457 x 0.120	1.55	390	D390	V390, V534	390
	SR1120SW	11.6 x 2.05	0.457 x 0.081	1.55	381	D381	V381, V533	381
	SR1116SW	11.6 x 1.65	0.457 x 0.065	1.55	366	D366	V366, V538	366
	SR936SW	9.5 x 3.6	0.374 x 0.142	1.55	394	D394	V394, V524	394
	SR927SW	9.5 x 2.73	0.374 x 0.107	1.55	395	D395	V395, V523	395
	SR920SW	9.5 x 2.05	0.374 x 0.081	1.55	371	D371	V371, V537	371
	SR914SW	9.5 x 1.45	0.374 x 0.057	1.55	—	—	—	—
	SR916SW	9.5 x 1.65	0.374 x 0.065	1.55	373	D373	V373, V539	373
	SR41SW	7.9 x 3.6	0.311 x 0.142	1.55	384	D384	V384, V527	384
	SR731SW	7.9 x 3.1	0.311 x 0.122	1.55	329	D329	V329, V525	329
	SR726SW	7.9 x 2.6	0.311 x 0.102	1.55	397	D397	V397, V536	397
	SR721SW	7.9 x 2.1	0.311 x 0.083	1.55	362	D362	V362, V532	362
	SR716SW	7.9 x 1.68	0.311 x 0.066	1.55	315	D315	V315, V530	315
	SR712SW	7.9 x 1.29	0.311 x 0.051	1.55	346	—	V346	346
	SR626SW	6.8 x 2.6	0.268 x 0.102	1.55	377	D377	V377, V565	377
	SR621SW	6.8 x 2.15	0.268 x 0.085	1.55	364	D364	V364, V531	364
	SR616SW	6.8 x 1.65	0.268 x 0.065	1.55	321	D321	V321, V540	321
	SR527SW	5.8 x 2.7	0.228 x 0.106	1.55	319	D319	V319	319
	SR521SW	5.8 x 2.15	0.228 x 0.085	1.55	379	D379	V379, V520	379
	SR516SW	5.8 x 1.65	0.228 x 0.065	1.55	317	D317	V317, V566	317
	SR512SW	5.8 x 1.25	0.228 x 0.049	1.55	335	—	V335	335
	SR421SW	4.8 x 2.15	0.189 x 0.085	1.55	—	—	—	—
	SR416SW	4.8 x 1.65	0.189 x 0.065	1.55	337	—	—	337
General 	SR44	11.6 x 5.4	0.457 x 0.213	1.55	S76E	MS76	V76PX, V13GS, V357	—
	SR43	11.6 x 4.2	0.457 x 0.165	1.55	S41E	MS41H	V12GS, V386	—
	SR1130	11.6 x 3.05	0.457 x 0.120	1.55	389	—	V10GS, V389	—
	SR1120	11.6 x 2.05	0.457 x 0.081	1.55	391	—	V8GS, V391	—
	SR41	7.9 x 3.6	0.311 x 0.083	1.55	S312E	MS312	—	—
	4SR44	13.0 x 25.2	0.512 x 0.992	6.2	544	PX28	V28PX	—

CR Coin Type

Lithium Manganese Dioxide Battery

- Notable characteristics of these batteries are their light weight and high voltage compared to other types of batteries. Moreover, the operating temperature range is wider.
- Originally developed for wrist watches and electronic calculators, they have recently been widely used for memory backup and as a power supply for electronic devices, etc.



Recommended applications	Model	ht. 		Nominal voltage (V)	EVEREADY	DURACELL	VARTA	RAYOVAC
		ø x ht. (mm)	ø x ht. (inch)					
 General Memory Backup	CR2032	20.0 x 3.2	0.787 x 0.126	3.0	ECR2032	DL2032	CR2032	CR2032
	CR2025	20.0 x 2.5	0.787 x 0.098	3.0	ECR2025	DL2025	CR2025	CR2025
	CR2016	20.0 x 1.6	0.787 x 0.063	3.0	ECR2016	DL2016	CR2016	CR2016
	CR2012	20.0 x 1.2	0.787 x 0.047	3.0	—	—	—	—
	CR1616	16.0 x 1.6	0.630 x 0.063	3.0	ECR1616	DL1616	CR1616	CR1616
	CR1220	12.5 x 2.0	0.492 x 0.079	3.0	ECR1220	DL1220	CR1220	CR1220
	CR1216	12.5 x 1.6	0.492 x 0.063	3.0	ECR1216	DL1216	CR1216	CR1216
	CR1025	10.0 x 2.5	0.394 x 0.098	3.0	—	DL1025	—	CR1025



LR Button Type

Micro Alkaline Battery

- Micro Alkaline Batteries are widely used for various purposes as excellent anti-leakage batteries, and are economical and reliable.
- Please contact your Maxell representative for availability and further information.

Recommended applications	Model	ht. 		Nominal voltage (V)	EVEREADY	DURACELL	VARTA	RAYOVAC
		ø x ht. (mm)	ø x ht. (inch)					
 General	LR44	11.6 x 5.4	0.457 x 0.213	1.5	A76	LR44, PX76A	V13GA	RW82
	LR43	11.6 x 4.2	0.457 x 0.165	1.5	186	LR43, D186A	V12GA	RW84
	LR1130	11.6 x 3.05	0.457 x 0.120	1.5	189	LR54, D189A	V10GA	RW89
	LR1120	11.6 x 2.05	0.457 x 0.081	1.5	191	LR55	V8GA	—
	LR41	7.9 x 3.6	0.311 x 0.142	1.5	192	—	V3GA	RW87
	4LR44	13.0 x 25.2	0.512 x 0.992	6.0	A544	PX28A	V4034PX	—

Dry Battery

- Four types of dry batteries, application engineered for different uses.
- All Maxell dry batteries are mercury and cadmium free so they are kinder to the environment.

Digital XL

- Excellent performance alkaline battery for digital electronic equipment.

SPECIFICATIONS

	LR6 (W)XL	LR03 (W)XL
Size	AA	AAA
Nominal voltage (V)	1.5	
Mass (g)	23	11.5



Alkaline Battery

- Long-life alkaline battery for common equipment.

SPECIFICATIONS

	LR20 (GD)	LR14 (GD)	LR6 (GD)	LR03 (GD)	6LF22 (GD)
Size	D	C	AA	AAA	9V
Nominal voltage (V)	1.5				9
Mass (g)	140	70	23	11.5	46

Notes: 1) All Alkaline Ace batteries are available in 2pc. blister packs [2B].
2) LR6 (GD) and LR03 (GD) are also available in 4pc. shrink pack [4P].
3) LR6 (GD) is available in blister packs [4B].



Super Power Ace (Black)

SPECIFICATIONS

	R20PU (AB)	R14PU (AB)	R6PU (AB)	R03 (AB)	6F22 (AB)
Size	D	C	AA	AAA	9V
Nominal voltage (V)	1.5				9
Mass (g)	105	50	18	9	38



Super Power Ace (Red)

SPECIFICATIONS

	R20P (AR)	R14P (AR)	R6P (AR)
Size	D	C	AA
Nominal voltage (V)	1.5		
Mass (g)	98	47	18



Power Ace (Blue)

SPECIFICATIONS

	R20C (B)	R6C (B)
Size	D	AA
Nominal voltage (V)	1.5	
Mass (g)	95	18



Model	Inner Carton (Pieces)	Outer Carton (Pieces)	H × W × D (cm)	N/W (kg)	G/W (kg)
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Video/Data Media

DVD

BD-R	10	50	28.6 × 30.6 × 15.7	4.5	5.3
BD-RE	10	50	28.6 × 30.6 × 15.7	4.5	5.3
HD DVD-R	10	50	28.7 × 30.7 × 15.9	4.5	5.2
HD DVD-RE	10	50	28.7 × 30.7 × 15.9	4.5	5.2
DRM47C	5	50	15.9 × 28.7 × 30.7	4.5	5.2
DR47DDV	5	50	15.9 × 28.7 × 30.7	4.5	5.2
DR47PWDDV	5	50	15.9 × 28.7 × 30.7	4.5	5.2
DRW47BDV	5	50	16.5 × 29.2 × 30.4	4.6	5.4
D+R47DDV	5	50	15.9 × 28.7 × 30.7	4.5	5.2
D+R47PWDDV	5	50	15.9 × 28.7 × 30.7	4.5	5.2
D+R85.1P	5	50	15.6 × 28.7 × 30.2	4.6	5.2
D+RW47BDV	5	50	16.5 × 29.2 × 30.4	4.6	5.4

DVD for Camcorder

8cm BD-R	5	50	12.0 × 21.2 × 22.4	2.0	2.3
8cm BD-RE	5	50	12.0 × 21.2 × 22.4	2.0	2.3
DRMS-V28R	5	100	13.7 × 31.7 × 41.2	6.6	7.4
DRMH60	5	100	13.7 × 31.7 × 41.2	5.8	6.6
DRM60HG	5	50	12.0 × 21.2 × 22.4	2.0	2.3
DRM30HG	5	50	12.0 × 21.2 × 22.4	2.0	2.3
DR30	5	100	13.2 × 30.7 × 40.9	5.8	6.6
DRH30	5	100	13.7 × 31.7 × 41.2	5.8	6.6
DR60HG	5	50	12.0 × 21.2 × 22.4	2.0	2.3
DR30HG	5	50	12.0 × 21.2 × 22.4	2.0	2.3
DRW60HG	5	50	12.0 × 21.2 × 22.4	2.0	2.3
DRW30	5	50	12.0 × 21.2 × 22.4	2.0	2.3

Mini Digital Video Cassette (PAL/SECAM/NTSC)

DVM80SE	5	50	9.2 × 17.5 × 30.1	2.0	2.3
DVM60SE	5	50	9.2 × 17.5 × 30.1	2.0	2.3
DVM60C	5	50	9.2 × 17.5 × 30.1	2.0	2.3

Video Tape (NTSC)

T-130HGX-G	10	50	22.9 × 30.5 × 58.8	13.5	15.1
T-120HGX-G	10	50	22.9 × 30.5 × 58.8	13.0	14.6
T-120GX	10	50	22.9 × 30.5 × 58.8	13.5	14.5

Video Tape (PAL/SECAM)

E-180HGX (B)	10	50	22.9 × 30.5 × 58.8	15.0	16.6
E-120HGX (B)	10	50	22.9 × 30.5 × 58.8	12.9	14.6
E-240GX	10	50	22.9 × 30.5 × 58.8	14.7	16.3
E-180GX	10	50	22.9 × 30.5 × 58.8	13.8	14.8
E-120GX	10	50	22.9 × 30.5 × 58.8	12.2	13.2

Camcorder Tape (PAL/SECAM)

P5-90XR	10	100	37.0 × 22.7 × 23.8	8.8	9.8
P5-90GX	10	100	37.0 × 22.7 × 23.8	8.8	9.8

Model	Inner Carton (Pieces)	Outer Carton (Pieces)	H × W × D (cm)	N/W (kg)	G/W (kg)
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CD-R/RW

CD-R80 (MQ) H1P	10	100	16.5 × 28.7 × 30.7	5.9	6.5
CD-R80PW (MQ) G1P	5	50	15.0 × 29.0 × 31.0	5.0	5.7
CD-RW80 (MQ) 1P 4X	5	50	15.0 × 29.0 × 31.0	5.0	5.7
CD-RW80 (MQ) 1P 10X	5	50	15.0 × 29.0 × 31.0	5.0	5.7

Floppy Disk

MF2-HD.DOS.10K	10	400	28 × 25 × 45	8	9
MF2-HD.DOS.10P	10	400	28 × 25 × 45	11	12
MF2-HD.DOS (MIX).10P	10	400	28 × 25 × 45	11	12
MF2-HD.DOS (MIX).3P	—	300	23 × 22 × 43	7	9
MF2-HD.DOS(BL,GN,PK,MW).2P	—	400	24 × 28 × 52	10	11
MF2-HD.DOS.1P	—	200	24 × 22 × 48	11	12
MF2-HD.DOS(BL,GN,PK,MW).1P	—	200	24 × 22 × 48	11	12
MF2-DD.10K	10	400	28 × 25 × 45	8	9

Computer Tape

DLTS4/2100	10	20	19.7 × 42.6 × 28.6	6.0	7.2
SDLT2/2100	10	20	20.5 × 42.6 × 28.6	5.9	6.7
SDLT1/1800	10	20	20.5 × 42.6 × 28.6	5.9	6.7
D88/1800	7	21	37.3 × 28.1 × 14.7	6.4	7.6
D87/1800	7	21	37.3 × 28.1 × 14.7	6.4	7.6
D85/1200	7	21	37.3 × 28.1 × 14.7	6.1	7.3
LTOU4/800XJ	5	20	15.3 × 33.3 × 28.1	5.4	6.1
LTOU3/400	5	20	16.1 × 33.3 × 21.1	5.6	6.5
LTOU3/400W	5	20	16.1 × 33.3 × 21.1	5.6	6.5
LTOU2/200	5	20	16.1 × 33.3 × 21.1	5.6	6.5
LTOU1/100	5	20	16.1 × 33.3 × 28.1	5.6	6.5
DAT160XJ	10	100	21.5 × 33.3 × 22.0	5.4	6.2
DAT160WXJ	10	100	21.5 × 33.3 × 22.0	5.4	6.2
DOS/DAT Cleaning Cartridge	10	100	21.5 × 33.3 × 22.0	4.7	5.5
HS-4/170S	10	50	17.0 × 32.5 × 10.0	2.2	2.5
HS-4/150S	10	50	17.0 × 32.5 × 10.0	2.2	2.5
HS-4/125S	10	50	17.0 × 32.5 × 10.0	2.2	2.5
HS-4/120S	10	50	17.0 × 32.5 × 10.0	2.2	2.5
HS-4/90S	10	50	17.0 × 32.5 × 10.0	2.2	2.5
SDLT1/CL	10	20	42.6 × 28.6 × 20.5	5.5	6.6
D85/CL	7	21	37.3 × 28.1 × 14.7	6.0	7.2
LTOU1/UCL	5	20	16.1 × 33.3 × 21.1	4.5	5.4
HS-4/CL	10	50	17.0 × 32.5 × 10.0	1.9	2.2

Audio Media

Digital Audio

CD-R80 MU IP 32X	10	100	15.3 × 30.4 × 56.4	9.4	10.4
DM-180	10	50	17.0 × 32.5 × 10.0	2.4	2.7
DM-120	10	50	17.0 × 32.5 × 10.0	2.3	2.6
DM-90	10	50	17.0 × 32.5 × 10.0	2.3	2.6
DM-60	10	50	17.0 × 32.5 × 10.0	2.2	2.5
DM-46	10	50	17.0 × 32.5 × 10.0	2.2	2.5
R-CL (A)	10	50	17.0 × 32.5 × 10.0	2.1	2.3

Audio Cassette Tape

MQ-120	10	200	24.5 × 36.6 × 38.0	15.2	16.5
MQ-90	10	200	24.5 × 36.6 × 38.0	15.0	16.3
MQ-60	10	200	24.5 × 36.6 × 38.0	14.8	16.1
MQ-46	10	200	24.5 × 36.6 × 38.0	14.6	15.5
UE-120	10	200	24.5 × 36.6 × 38.0	15.2	16.5
UE-90	10	200	25.5 × 37.0 × 36.0	15.0	15.7
UE-60	10	200	25.5 × 37.0 × 36.0	14.8	15.7
UE-46	10	200	25.5 × 37.0 × 36.0	14.6	15.3

Model	Inner Carton (Pieces)	Outer Carton (Pieces)	H × W × D (cm)	N/W (kg)	G/W (kg)
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Professional / Broadcast Media

Professional Video

B-124HDL	—	10	20.0 × 29.0 × 35.0	7.6	8.4
B-94HDL	—	10	20.0 × 29.0 × 35.0	7.1	7.7
B-64HDL	—	10	20.0 × 29.0 × 35.0	6.6	7.2
B-34HDL	—	10	20.0 × 29.0 × 35.0	6.1	6.7
B-40HD	10	50	21.0 × 34.0 × 66.0	14.5	16.3
B-32HD	10	50	21.0 × 34.0 × 66.0	14.0	15.6
B-22HD	10	50	21.0 × 34.0 × 66.0	13.0	14.7
B-12HD	10	50	21.0 × 34.0 × 66.0	12.0	13.9
B-6HD	10	50	21.0 × 34.0 × 66.0	11.5	13.3
B-D124L	—	10	20.0 × 29.0 × 35.0	7.5	8.1
B-D94L	—	10	20.0 × 29.0 × 35.0	7.0	7.6
B-D64L	—	10	20.0 × 29.0 × 35.0	6.4	7.0
B-D34L	—	10	20.0 × 29.0 × 35.0	6.0	6.6
B-D40	10	50	21.0 × 34.0 × 66.0	14.0	15.9
B-D32	10	50	21.0 × 34.0 × 66.0	13.5	15.1
B-D22	10	50	21.0 × 34.0 × 66.0	12.5	14.2
B-D12	10	50	21.0 × 34.0 × 66.0	11.5	13.4
B-D6	10	50	21.0 × 34.0 × 66.0	10.5	12.4
B-194SXL	—	10	20.0 × 29.0 × 35.0	7.3	7.9
B-184SXL	—	10	20.0 × 29.0 × 35.0	7.2	7.8
B-124SXL	—	10	20.0 × 29.0 × 35.0	6.7	7.3
B-94SXL	—	10	20.0 × 29.0 × 35.0	6.4	7.0
B-64SXL	—	10	20.0 × 29.0 × 35.0	6.1	6.7
B-62SX	10	50	21.0 × 34.0 × 66.0	13.9	15.6
B-32SX	10	50	21.0 × 34.0 × 66.0	12.4	14.1
B-22SX	10	50	21.0 × 34.0 × 66.0	12.0	13.7
B-12SX	10	50	21.0 × 34.0 × 66.0	11.5	13.2
B-6SX	10	50	21.0 × 34.0 × 66.0	11.2	12.9
B-90MLBQ	—	10	20.0 × 29.0 × 35.0	7.6	8.2
B-60MLBQ	—	10	20.0 × 29.0 × 35.0	7.0	7.6
B-30MLBQ	—	10	20.0 × 29.0 × 35.0	6.3	6.9
B-20MLBQ	—	10	20.0 × 29.0 × 35.0	6.1	6.7
B-10MLBQ	—	10	20.0 × 29.0 × 35.0	5.8	6.4
B-30MBQ	10	50	21.0 × 34.0 × 66.0	14.5	16.3
B-20MBQ	10	50	21.0 × 34.0 × 66.0	13.5	15.4
B-10MBQ	10	50	21.0 × 34.0 × 66.0	12.5	14.4
B-5MBQ	10	50	21.0 × 34.0 × 66.0	12.0	13.7
DVPHD-126EXL	—	10	16.1 × 26.9 × 20.9	2.7	3.1
DVP50-126XL	—	10	16.1 × 26.9 × 20.9	2.7	3.1
DVP-126L	10	50	17.0 × 22.0 × 46.0	6.0	6.9
DVP-94L	10	50	17.0 × 22.0 × 46.0	5.9	6.8
DVP-66L	10	50	17.0 × 22.0 × 46.0	5.5	6.5
DVP-34L	10	50	17.0 × 22.0 × 46.0	5.4	6.3
DVP-66M	10	50	14.0 × 22.0 × 40.0	4.0	4.7
DVP-46M	10	50	14.0 × 22.0 × 40.0	3.9	4.5
DVP-33M	10	50	14.0 × 22.0 × 40.0	3.5	4.3
DVP-24M	10	50	14.0 × 22.0 × 40.0	3.4	4.2
DVP-12M	10	50	14.0 × 22.0 × 40.0	3.3	4.2
D5C124L	—	10	23.0 × 33.0 × 37.0	7.2	12.1
D5C94L	—	10	23.0 × 33.0 × 37.0	10.7	11.2
D5C63M	—	10	19.0 × 25.0 × 35.0	5.7	6.2
D5C48M	—	10	19.0 × 25.0 × 35.0	5.5	5.9
D5C33M	—	10	19.0 × 25.0 × 35.0	4.8	5.3
D5C12M	—	10	19.0 × 25.0 × 35.0	4.3	4.8
D2L-208MDV	—	5	32.0 × 28.0 × 45.0	13.5	14.2
D2L-188MDV	—	5	32.0 × 28.0 × 45.0	13.2	13.9
D2L-156MDV	—	10	32.0 × 28.0 × 45.0	12.7	13.4
D2L-126MDV	—	10	32.0 × 28.0 × 45.0	12.2	12.9
D2M-94MDV	—	10	22.0 × 31.0 × 43.0	10.2	10.8

Model	Inner Carton (Pieces)	Outer Carton (Pieces)	H × W × D (cm)	N/W (kg)	G/W (kg)
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D2M-64MDV	—	10	22.0 × 31.0 × 43.0	9.3	9.9
D2M-34MDV	—	10	22.0 × 31.0 × 43.0	8.6	9.2
D2M-18MDV	—	10	22.0 × 31.0 × 43.0	8.2	8.8
D2M-12MDV	—	10	22.0 × 31.0 × 43.0	7.8	8.4
D2M-6MDV	—	10	22.0 × 31.0 × 43.0	7.6	8.2
D2S-32MDV	—	10	17.0 × 22.0 × 43.0	4.9	5.3
D2S-22MDV	—	10	17.0 × 22.0 × 43.0	4.6	5.0
D2S-12MDV	—	10	17.0 × 22.0 × 43.0	4.3	4.7
D2S-6MDV	—	50	17.0 × 22.0 × 43.0	4.1	4.5
D2S-6CM	—	50	17.0 × 22.0 × 43.0	4.1	4.5
DV-186MASTER	5	50	18.0 × 22.0 × 47.0	5.8	6.8
DV-96MASTER	5	30	18.0 × 22.0 × 47.0	5.4	6.4
DV-M63MASTER	5	30	9.0 × 18.0 × 29.0	1.8	2.2

Audio Pro Series

R-125DA (P)	10	100	17.0 × 33.0 × 20.0	4.5	5.1
R-95DA (P)	10	100	17.0 × 33.0 × 20.0	4.3	4.9
R-65DA (P)	10	100	17.0 × 33.0 × 20.0	4.2	4.8
R-50DA (P)	10	100	17.0 × 33.0 × 20.0	4.2	4.8
R-35DA (P)	10	100	17.0 × 33.0 × 20.0	4.1	4.7
R-20DA (P)	10	100	17.0 × 33.0 × 20.0	4.1	4.7

Professional Disc for XDCAM

PDRE23A.1P	5	50	32.7 × 44.5 × 21.3	9.6	11.0
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Model	Inner Carton (Pieces)	Outer Carton (Pieces)	H × W × D (cm)	N/W (kg)	G/W (kg)
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Batteries

Backup Battery

ML2032	4,000	4,000	32.0 × 38.0 × 38.0	12.0	16.5
ML2032T6	2,000	2,000	34.0 × 38.0 × 38.0	6.2	9.7
ML2032T17	1,200	1,200	32.0 × 38.0 × 38.0	3.8	7.3
ML2032T25	1,500	1,500	32.0 × 38.0 × 38.0	4.7	8.2
ML2016	5,000	5,000	28.0 × 38.0 × 38.0	9.0	13.5
ML2016T6	1,500	1,500	32.0 × 38.0 × 38.0	3.0	6.5
ML2016T17	1,200	1,200	32.0 × 38.0 × 38.0	2.4	5.9
ML2016T25	1,500	1,500	32.0 × 38.0 × 38.0	3.0	6.5
ML1220	—	8,000	14.0 × 24.0 × 53.0	6.4	10.3
ML1220T9	2,000	4,000	21.0 × 34.0 × 61.0	3.6	7.5
CR2450	2,000	2,000	32.0 × 20.0 × 38.0	13.6	16.8
CR2430	3,000	3,000	25.0 × 20.0 × 38.0	13.8	17.0
CR2032	4,000	4,000	32.0 × 38.0 × 38.0	12.0	16.5
CR2032T6	1,500	1,500	32.0 × 38.0 × 38.0	4.7	8.2
CR2032T7	2,400	2,400	32.0 × 38.0 × 38.0	7.5	11.4
CR2032T14	2,000	2,000	34.0 × 38.0 × 38.0	6.2	9.7
CR2032T15	2,000	2,000	34.0 × 38.0 × 38.0	6.2	9.7
CR2032T16	1,500	1,500	32.0 × 38.0 × 38.0	4.7	8.2
CR2032T17	1,200	1,200	32.0 × 38.0 × 38.0	3.8	7.3
CR2032T19	1,500	1,500	32.0 × 38.0 × 38.0	4.7	8.2
CR2032T23	1,500	1,500	32.0 × 38.0 × 38.0	4.7	8.2
CR2032T24X	1,500	1,500	32.0 × 38.0 × 38.0	4.7	8.2
CR2032T25X	2,000	2,000	34.0 × 38.0 × 38.0	6.2	9.7
CR2032T26X	1,600	1,600	34.0 × 38.0 × 38.0	5.0	8.5
CR2032H	4,000	4,000	32.0 × 38.0 × 38.0	12.0	16.5
CR2025	4,000	4,000	28.0 × 38.0 × 38.0	10.0	14.0
CR2016	5,000	5,000	28.0 × 38.0 × 38.0	9.5	14.0
CR2012	6,000	6,000	34.0 × 38.0 × 38.0	8.4	13.9
CR1620	4,000	4,000	26.0 × 39.0 × 39.0	5.2	9.6
CR1616	2,000	4,000	21.0 × 34.0 × 61.0	4.4	8.3
CR1616T	2,000	4,000	21.0 × 34.0 × 61.0	4.8	8.7
CR1220	—	8,000	14.0 × 24.0 × 53.0	6.8	10.7
CR1216	—	8,000	14.0 × 24.0 × 53.0	5.1	9.5
CR1220T4	2,000	4,000	21.0 × 34.0 × 61.0	4.4	8.7
CR1025	—	8,000	14.0 × 24.0 × 53.0	4.8	6.6
ER17/50#2PC	—	400	27.0 × 33.0 × 40.0	7.6	9.6
ER6#2PC	—	400	25.5 × 33.0 × 39.0	5.8	7.9
ER6C#2PC	—	400	25.5 × 33.0 × 39.0	5.4	7.9
ER6C#3ST	—	400	25.5 × 33.0 × 39.0	5.5	7.3
ER6C#4AX	—	300	25.5 × 33.0 × 39.0	4.2	7.5
ER6C#5TC	—	400	25.5 × 33.0 × 39.0	5.6	7.4
ER17/33#2PC	—	500	27.0 × 33.0 × 40.0	6.5	8.0
ER17/33T3	—	500	27.0 × 33.0 × 40.0	6.5	8.7
ER17/33#4AX	—	400	27.0 × 33.0 × 40.0	5.2	7.0
ER17/33#5TC	—	400	27.0 × 33.0 × 40.0	5.4	7.6
ER3#2PC	—	600	25.5 × 33.0 × 39.0	4.5	6.0
ER3#2PC	—	600	25.5 × 33.0 × 39.0	4.5	6.0
ER3#3ST	—	600	25.5 × 33.0 × 39.0	4.6	6.1
ER3#4AX	—	400	25.5 × 33.0 × 39.0	3.1	4.8
ER3#5TC	—	500	25.5 × 33.0 × 39.0	4.0	5.7
ER3STC	—	1,000	34.0 × 35.0 × 61.0	7.2	10.3
ER3SPC	—	600	25.0 × 33.0 × 49.0	4.2	6.4
ER6K#10	—	400	27.0 × 29.0 × 36.5	8.3	10.9
ER6K#18	—	400	27.0 × 29.0 × 36.5	8.5	11.1
ER6WK9	—	500	25.5 × 33.0 × 39.0	7.7	10.6
ER6CWK11	—	400	41.0 × 34.5 × 56.0	6.3	11.0
ER17/33WK9	—	400	41.0 × 34.5 × 56.0	5.3	10.8

Model	Inner Carton (Pieces)	Outer Carton (Pieces)	H × W × D (cm)	N/W (kg)	G/W (kg)
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Button Battery

SR44W 1BX5	100	2,000	23.0 × 30.0 × 31.0	4.4	7.5
SR43W 1BX5	100	2,000	23.0 × 30.0 × 31.0	3.8	6.6
SR1130W 1BX5	100	2,000	23.0 × 30.0 × 31.0	2.7	5.8
SR1120W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.8	4.9
SR927W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.7	4.7
SR920W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.3	4.2
SR41W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.5	4.5
SR726W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.0	4.0
SR721W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.9	3.9
SR626W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.8	3.8
SR44SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	4.4	7.5
SR43SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	3.8	6.6
SR1136SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	3.4	6.5
SR1130SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	2.7	5.8
SR1120SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.8	4.9
SR1116SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.3	4.4
SR1116W 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.3	4.4
SR936SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	2.1	5.1
SR927SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.7	4.7
SR920SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.3	4.3
SR916SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.0	4.0
SR41SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.5	4.5
SR731SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.4	4.4
SR726SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.1	4.3
SR721SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.8	4.0
SR716SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.7	3.9
SR712SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.5	3.7
SR626SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.8	4.1
SR621SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.6	3.9
SR616SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.5	3.7
SR527SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.5	3.8
SR521SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.5	3.7
SR516SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.4	3.4
SR512SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.3	3.3
SR421SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.3	3.3
SR416SW 1BX5	100	2,000	23.0 × 30.0 × 31.0	0.3	3.1
SR44 (G13) 1BX5	100	2,000	23.0 × 30.0 × 31.0	4.4	7.5
SR43 (G12) 1BX5	100	2,000	23.0 × 30.0 × 31.0	3.8	6.8
SR1130 1BX5	100	2,000	23.0 × 30.0 × 31.0	2.7	5.8
SR1120 1BX5	50	2,000	23.0 × 30.0 × 31.0	1.8	5.0
4SR44 (4G13) 1BX5	200	500	19.0 × 22.0 × 41.0	5.4	7.2
CR2032 1BX5	100	2,000	23.0 × 30.0 × 31.0	6.0	9.8
CR2025 1BX5	100	2,000	23.0 × 30.0 × 31.0	5.0	8.6
CR2016 1BX5	100	2,000	23.0 × 30.0 × 31.0	3.8	7.6
CR2012 1BX5	100	2,000	23.0 × 30.0 × 31.0	3.6	7.4
CR1616 1BX5	100	2,000	23.0 × 30.0 × 31.0	2.2	6.0
CR1220 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.7	4.7
CR1216 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.3	4.3
CR1025 1BX5	100	2,000	23.0 × 30.0 × 31.0	1.2	4.3

*The batteries listed above are sold exclusively in bulk. However, note that most other Maxell button batteries, including CR, SR, and LR batteries, are also available in bulk. Additional packing information is available upon request.

Model	Inner Carton (Pieces)	Outer Carton (Pieces)	H × W × D (cm)	N/W (kg)	G/W (kg)
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Dry Battery

LR6 (W) XL 2B	40	480	24.0 × 32.0 × 56.0	12.9	13.7
LR6 (W) XL 4B	80	960	24.0 × 32.0 × 56.0	26.5	27.5
LR03 (W)XL 2B	40	480	20.0 × 40.0 × 42.0	8.3	9.2
LR03 (W) XL 4B	80	960	20.0 × 40.0 × 42.0	13.8	14.7
LR20 (GD) 2B	20	120	25.0 × 32.0 × 35.0	17.9	18.6
LR14 (GD) 2B	20	240	36.0 × 31.0 × 32.0	18.6	19.3
LR6 (GD) 4B	80	960	24.0 × 32.0 × 56.0	26.5	27.5
LR6 (GD) 2B	40	480	24.0 × 32.0 × 56.0	12.9	13.7
LR03 (GD) 4P	200	1,000	18.0 × 33.0 × 26.0	13.4	13.9
LR03 (GD) 2B	40	480	20.0 × 40.0 × 42.0	8.3	9.2

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