

# maxell

## LTO Ultrium 3

1/2" Tape Cartridge

400 GB

800\* GB

680m  
2230ft



### Superior Performance — Highest Capacity

#### FEATURES

- Up to 800GB capacity and 160MB/s transfer rate.
- Patented corrosion resistant ceramic armor metal particles provide superior data life.
- High coercivity micro-particles provide a high level of output, a superior signal-to-noise ratio and a low, stable error rate.
- Advanced Dispersion Technology (ADT) for strong signal strength and consistent high-density recording.
- Ultra-thin coating eliminates magnetic interference while increasing signal clarity.
- Maxell High Precision Servo Track (HPST) keeps servo tracks perfectly aligned for precise head tracking.
- Extremely smooth and rigid PEN base film provides stable and reliable data recording/playback.
- Proprietary cross linking binder structure provides superior tape strength.
- Advanced calendaring ensures smooth and even tape with consistent tape-to-head contact for low error rate.
- Heavy duty cartridge and leader pin are tested at more than 20,000 load/unload cycles.
- Maxell's cartridge locking mechanism prevents tape movement and slack during transportation and storage.
- Cartridge semiconductor memory for high speed data searches and library cartridge management.
- Maxell universal cleaning cartridge is compatible with ALL Ultrium drives.
- Custom bar-coding available.

#### APPLICATIONS

- From Entry Level Departmental Servers to Complex Enterprise Class Storage Area Networks.
- Server Back-up and Restore.
- Data Storage and Archiving.
- Library Automation.

**Also Available:**  
**LTO 3 WORM**  
(Write Once Read Many)  
Prevents data from being erased or overwritten — meeting government compliance and regulatory requirements.

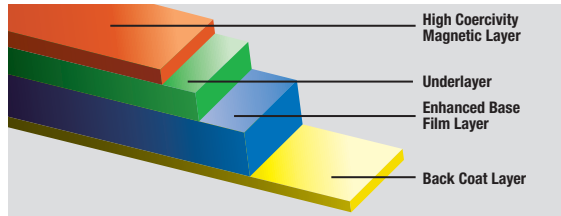


\* Assumes 2:1 Data Compression.





### CONCEPTUAL FIGURE OF ULTRA-THIN LAYER TECHNOLOGY



Ceramic Coating Process: Maxell's patented ceramic coating process acts as a protective armor for the fine metal particles in the magnetic layer of the tape to guard against heat, humidity, abrasion and oxidation.



Maxell's LTO 3 media is based on the innovative Neo Super Maximum capacity Advanced Reliability Tape technology platform. NeoSMART is a convergence of advanced tape and manufacturing technologies producing the highest reliability in recording and data recovery demanded by LTO 3 technology and beyond. The improved magnetic particles, new coating and dispersion technologies, advanced cartridge shell design, and the other components of the NeoSMART platform are designed to support future tape cartridge capacities in excess of 1 Terabyte.

## SPECIFICATIONS

MODEL	LTO 1	LTO 2	LTO 3	LTO 3 WORM	LTO CLEANING CARTRIDGE	
<b>RECORDING CAPACITY</b>	100 / 200 GB	200 / 400 GB	400 / 800 GB	400 / 800 GB	50+ Cleaning Passes*	
<b>TRANSFER RATE</b>	Native:	20 – 40 MB/s	40 – 80 MB/s	40 – 80 MB/s	-----	
	Compressed:	20 – 40 MB/s	40 – 80 MB/s	80 – 160 MB/s	80 – 160 MB/s	-----
<b>TAPE</b>	Length	1998 ft (609m)		2230 ft (680m)		
	Width	1/2" (12.65mm)				-----
	Thickness	9µm		8µm		9µm
<b>TAPE TYPE</b>	Patented Ceramic Coated Metal Particle					
<b>COERCIVITY</b>	1,950ce	2,450ce	2,700ce	2,700ce	-----	
<b>CARTRIDGE</b>	Dimensions	4.0" x 4.1" x .8" (102.0mm x 105.4mm x 21.5mm)				
	Color	Black	Purple	Gray-Blue	Gray-Blue/Gray	Gray
<b>ARCHIVAL STORAGE</b>	30+ Years				-----	
<b>TAPE DURABILITY RATING</b>	1,000,000+ Head Passes				-----	
<b>OPERATING ENVIRONMENT</b>	50° - 113°F (10° - 45°C) 10% - 80% RH (no condensation)					
<b>STORAGE ENVIRONMENT</b>	61° - 90°F (16° - 32°C) 20% - 80% RH (no condensation)		61° - 95°F (16° - 35°C) 20% - 80% RH (no condensation)		61° - 90°F (16° - 32°C) 20% - 80% RH (no condensation)	
	61° - 77°F (16° - 25°C) 20% - 50% RH (no condensation)				-----	

\*Actual number of cleaning cycles is drive dependent

## LTO LINEUP

MODEL	LTO 1	LTO 2	LTO 3	LTO 3 WORM	LTO CLEANING CARTRIDGE	
<b>ITEM #</b>	183800	183850	183900	183950	183804	
<b>INNER CARTON / MASTER QTY.</b>	5/20	5/20	5/20	5/20	5/20	
<b>PALLET QUANTITY</b>	1,200	1,200	1,200	1,200	1,200	
<b>UPC CODES</b>	<b>UNIT</b>	0-25215-62450-6	0-25215-62451-3	0-25215-62456-8	0-25215-62662-3	0-25215-62454-4
	<b>MASTER</b>	100-25215-62450-3	100-25215-62451-0	100-25215-62456-5	100-25215-62662-0	100-25215-62454-1
<b>DIMENSIONS</b>	<b>UNIT</b>	4.4" W x 4.5" H x 1.1" D				
	<b>INNER</b>	4.8" W x 5.9" H x 4.8" D				
	<b>MASTER</b>	11.0" L x 13.0" W x 5.9" H				
<b>CUBE</b>	<b>UNIT</b>	0.013				
	<b>INNER</b>	0.079				
	<b>MASTER</b>	0.488				
<b>WEIGHT</b>	<b>UNIT</b>	0.6 lb.				
	<b>INNER</b>	3.3 lbs.				
	<b>MASTER</b>	14.4 lbs.				

## LTO ULTRIUM CARTRIDGE & DRIVE COMPATIBILITY



CARTRIDGE	DRIVE			
	LTO 1	LTO 2	LTO 3	LTO 3 WORM
LTO 1	Read / Write	Read / Write	Read	Read
LTO 2	-----	Read / Write	Read / Write	Read / Write
LTO 3	-----	-----	Read / Write	Read / Write
LTO 3 WORM	-----	-----	-----	Read / Write Once
LTO CLEANING CARTRIDGE	OK	OK	OK	OK

Maxell Computer Tapes are backed by a Lifetime Limited Warranty, Money-back Satisfaction Guarantee and 24/7/365 Toll Free Technical Support. Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are trademarks of HP, IBM and Quantum in the U.S., other countries or both.



Maxell Corporation of America 22-08 Route 208, Fair Lawn, NJ 07410 (800) 533-2836  
 Maxell Canada 50 Locke Street, Unit #2, Concord, ON Canada L4K 5R4 (800) 661-9500  
 Maxell Latin America Plaza Btsh - Calle 50, Panama City, Panama  
 www.maxell-data.com

