

imaginative solutions.

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Product Specifications

Digital Linear Tape IV Cartridge

Physical Characteristics	
Width	4.16 in.
Length	4.15 in.
Height	1.0 in.
Weight	7.85 oz.
Color	Black
Tape Characteristics	
Tape length	1,828 ft.
Recording length	1,780 ft.
Tape type	Metal particle
Tape width	0.498 in.
Thickness	360µ in.
Capacity (native)	20, 35 or 40 GB*
Tape Life	
Archive storage	30+ yrs.
Tape durability	1,000,000 passes
Operating Environment	
Ambient temperature	10 to 40°C
Non-condensing relative humidity	20–80% RH
Maximum wet bulb temperature	25°C
Storage Environment (non-archival)	
Temperature	16 to 32°C
Non-condensing relative humidity	20–80% RH
Maximum wet bulb temperature	26°C
Storage Environment (archival)	
Temperature	18 to 26°C
Non-condensing relative humidity	40–60% RH
Stray magnetic field	<1,000G

(strength impinging on any point on the cartridge)  
 \*Compressed capacity is two times native capacity shown.

Imation™ Black Watch™  
**Digital  
 Linear  
 Tape IV**  
 CARTRIDGE



Compatible with DLT 4000,  
 7000 and 8000 drives

For more information about the Imation™ Black Watch™ Digital Linear Tape IV Cartridge, contact your authorized Imation dealer or your sales representative.

www.imation.com

**LIFETIME WARRANTY AND LIMITATION OF REMEDIES:**

Imation warrants that this product is free from defects in material and manufacture at the time of purchase. If any such defect appears during the life of the product, Imation's entire liability is, at Imation's option, either (a) repair, or (b) replacement of the product, or (c) refund of the purchase price of the product, which must be returned to Imation with proof of purchase. This warranty does not apply to product failure resulting from misuse, abuse, accident, neglect or mishandling, improperly adjusted or maintained drives, incorrect environments or wear from ordinary use. **IMATION SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL LOSS OR DAMAGE (INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF PROFITS, SAVINGS OR DATA) IN ANY WAY RELATED TO THE PRODUCT.** This does not exclude claims for personal injury. Some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or country to country.

For Critical Data Management



## A new standard for reliability and performance

Managing today's ever-increasing volume of data is critical to your company's success. With 50 years of experience protecting valuable data assets, you can rely on Imation to provide the most innovative and reliable network solutions.

The demands of your data center require nothing less than a rugged, reliable product to support your operations. That's why, to ensure a superior product, we've leveraged our expertise in data center media to implement additional enterprise-class testing standards for Digital Linear Tape. Result: the Imation™ Black Watch™ Digital Linear Tape IV Cartridge.

Specifically designed for DLT 4000, 7000, and 8000 drives, Black Watch Digital Linear Tape IV is rugged and reliable enough for even the most sophisticated enterprise data centers. From backup, restore and archive to copy and distribution, the Black Watch Digital Linear Tape IV Cartridge offers the same

compatibility and functionality as other DLT cartridges at a competitive price.

- **Imation Certified**—every single cartridge is tested to ensure uncompromising reliability and out-of-the-box performance
- **Durability**—meets an even higher standard of 1,000,000 passes
- **Compatible**—with DLT 4000, 7000, and 8000 drives; 40GB/80GB capacity (assumes 2:1 compression)
- **Low Abrasivity**—ensures less wear on the drive heads to protect your drive investment
- **Lifetime warranty**

## Drive Compatibility and Performance

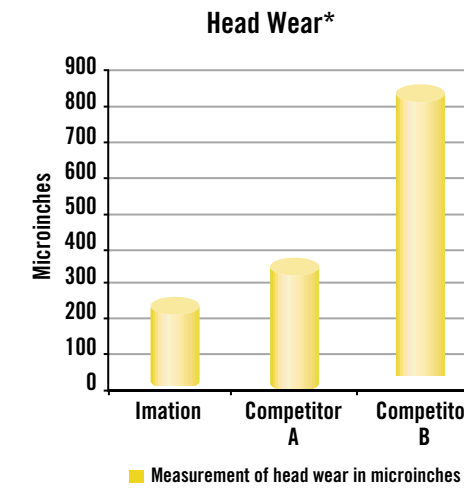
Digital Linear Tape IV 51122-42337	Transfer rate (MB/sec)		
	DLT 4000 drive	DLT 7000 drive	DLT 8000 drive
	1.5*	5.0*	6.0*

\* Cartridge performance and capacity depends on which DLT drive the cartridge is used in first. A cartridge first used in a DLT 4000 drive will perform at 1.5 MB/second with a capacity of 20GB when later used in a DLT 7000 drive.

Meets or exceeds all ANSI and ECMA open standards.

## Abrasivity

Low abrasivity ensures less wear on drive heads.



\* Head wear measured as the width of wear mark in a ferrite bar after running 1,700 feet of tape over the ferrite bar at 5 oz. tape tension.

## Durability

The Imation™ Black Watch™ Digital Linear Tape IV Cartridge exceeds 1,000,000 passes using the open standard for durability.

ANSI and ECMA, independent organizations that approve the specification needs for DLT drive tape cartridges, have established an open standard for cartridge durability: 250,000 passes. Imation's Digital Linear Tape IV cartridges meet an even higher standard of durability: 1,000,000 passes. It's our way of ensuring maximum reliability for your data storage needs.

## The world trusts Imation for data storage

In today's information-centric society, data storage can make or break your business. As the world's information needs continue to intensify, millions of IT professionals and computer users look to Imation for the proven quality, reliability and performance they need to manage, store and secure their data. After all, Imation products are backed by decades of development and expertise, and are derived from its world-renowned tape, optical and diskette technologies—many of which Imation pioneered.

Imation removable storage products are a key ingredient in much of the world's IT infrastructure—from large corporate data centers to networks to small businesses and home offices. Data center managers have trusted industry-leading Black Watch™ Half-Inch Tape Cartridges for years. Network customers rely on Imation's Ultrium, Travan™ and SLR Tape Cartridges. And for desktop customers, Imation's line of removable media and drives—including CD-R and CD-RW drives and media, diskettes, and tape cartridges—is the perfect solution.

Imation also offers consulting services to help improve data center efficiency. And the Imation Storage Networking Lab is a world-class facility designed to help companies and equipment manufacturers develop, test and evaluate data storage solutions in an independent environment.

