

ECHO

100% CERTIFIED



ECHO 100% Certified Media | www.echo-tape.com | sales@echo-tape.com | 1-877-DIG-ECHO

ECHO SPECIFICATIONS

3590

3590e

Capacity

Without Compression (B model - 128 tracks)	10 GB	20 GB
Without Compression (E model - 256 tracks)	20 GB	40 GB
Without Compression (H model - 384 tracks)	30 GB	60 GB

Physical Properties

Length, nominal (meters)	320 (1050 feet)	631 (2070 feet)
Width (millimeter)	12.65+0.025 (0.498+0.001 in)	12.65+0.025 (0.498+0.001 in)
Base Material, nominal	Polyethylene Terephthalate	Polyethylene Terephthalate
Substrate Thickness, nominal (microns)	14.2 microns	6.3 microns
Total Thickness, nominal (microns)	16.0 microns	8.9 microns
Servo Tracks	9	9
	factory prerecorded, do not degauss	factory prerecorded, do not degauss

Media Life Properties

Short Length Durability	40,000+read-forward passes	40,000+read-forward passes
Long Length Durability	200 full file read-while-write passes	200 full file read-while-write passes

Testing Standards

ECC's*	Below ANSI standards	Below ANSI standards
* Per ANSI Standards		
ERG's*	Zero	Zero
* Per ANSI Standards		
Permanent Errors	Zero	Zero

General Properties

Magnetic Particle	Metal Particle	Metal Particle
Coercive Field Force (longitudinal direction)	129.3kA/m±6kA/m	129.3kA/m±6kA/m
Curvature	< 3mm/900mm	< 3mm/900mm
Cupping Toward the Backcoat	0.2mm±0.2	0.2mm±0.2
Abrasivity (micron)	< 35	< 35
Adhesion (Newton)	> 0.44	> 0.44
Coating Electrical Resistance (ohms/sq)	1 x 10 to 1 x 10	1 x 10 to 1 x 10
Broad Bands S/N Ratio	-2.8 dB of Reference Tape	-2.8 dB of Reference Tape
Toxicity	Non-toxic	Non-toxic

Environmental Conditions, nominal

Temperature - Operating	60° - 90° F (15° - 32° C)	60° - 90° F (15° - 32° C)
Temperature - Storage	40° - 90° F (4° - 32° C)	40° - 90° F (4° - 32° C)
Relative Humidity % - Operating	20% - 80% RH	20% - 80% RH
Relative Humidity % - Archival	5% - 80% RH	5% - 80% RH

Warranty for ECHO Certified Cartridges from ECHO Tape

Warranty	Limited Lifetime	Limited Lifetime
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ECHO LOGICAL

ECHO certified media provides an environmentally responsible alternative to used tape destruction.

ECHO NOMICAL

ECHO allows tested, proven, certified media to be resold in the marketplace with a significant cost savings when compared to new tape.

100% CERTIFIED

100% Certified means that each data track on ECHO media has been thoroughly tested on Original Equipment Manufacturer tape drives to ensure optimal performance in your data center environment. This allows ECHO to guarantee performance on every tape.

ECHO 100% certified tapes carry a limited lifetime warranty.

ECHO 100 % Certified Media

ECHO warrants that ECHO 100% Certified Media is free of defects in both materials and workmanship and shall remain free of defects under normal use for the life of the product. This limited lifetime warranty is for the initial end-consumer purchaser of this product.

ECHO 100% Certified Media has been tested using the most exacting quality control standards possible and in the unlikely event a product's performance fails, ECHO will at its option replace the product or refund the full purchase price of any of its products found to be defective.

ECHO's sole obligation under this warranty and exclusive remedy hereunder will be to replace defective products or reimburse the customer as specified above. There are no other warranties, expressed or implied, whether of merchantability, fitness for particular purpose or otherwise. In no event will ECHO be liable for any direct, indirect, special or consequential damages whatsoever whether arising from warranty, contract, and negligence or otherwise.

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