

ANTISTATIC PRESSURE SENSITIVE CONDUCTIVE GRID TAPE

Mercatus® M1007 ESD Tape

- ☑ Provides complete Electrostatic Discharge (ESD) protection for sensitive electronics.
- ☑ Eliminates FOD hazard and costly inventory of rigid plastic ESD caps and plugs.
- ☑ Mandatory for use by all Fleet Navy and Marine Corps for WRA connectors.
- ☑ Used by electronics maintenance crews to safely seal ESD bags and boxes.
- ☑ Fast, easy, cost-effective protection – fits any size connector.
- ☑ Has been in use for over 15 years.
- ☑ Fully tested by NSWC – Dahlgren

DESCRIPTION:

This unique three-layer tape was designed to protect sensitive electronic equipment from the effects of ESD. Mercatus-exclusive technology incorporates non-sparking antistatic properties on both the inside and outside surfaces. A conductive grid is embedded between two layers of antistatic polymers, preventing shedding, flaking and deterioration, even in the most hostile environments. M1007 ESD Tape creates an ESD safe “Faraday Cage” and completely eliminates FOD hazards associated with rigid plastic caps and plugs. Submarine and Surface Fleet applications include ESD protection for electronic parts maintenance, weapons, radars, computers, ECM, avionics and reconnaissance systems.

Proven effective with the United States Navy in Desert Storm and on continuing Pacific and Atlantic Fleet flight operations, Mercatus M1007 ESD Tape has been fully tested by NSWC Dahlgren and authorized by COMNAVAIRSYSCOM for use by all Fleet Navy and Marine Corps Air Stations and Air Facilities.

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SPECIFICATIONS:

Part number: M1007
NSN Number: 5999-01-378-8454
Unit of Issue: Box (contains 5 rolls)
Terms of sale: VISA, AMEX, and MC
FOB Carlsbad, CA
Size: 2” wide, 3” core, 118’ length
Weight: 3.5 oz per roll
1.5 lbs. per box
Color: Pantone: Yellow C
Markings: MIL-STD 1285 and
EIA Standard RS-471
Core Label: “Caution: For ESD
Protective Use Only”
Adhesive Layer: Antistatic adhesive
Copolymer (2×10^{10}
Ohms/sq)
Grid Layer: 103 to 105 Ohms/sq
Resistivity of conductive grid
3.5×10^4 to 3.5×10^5
Ohms/sq (Method: ASTM D-
257)
Grid Layer: Heavy duty Antistatic
Copolymer (<math>< 5 \times 10^4</math> Ohms/sq)

