

# Coaxial Surge Protectors (SPD's)

Part Number: **M-JP-1 (50Ω)**



Features:

- High reliability protection from surges caused by lightning or other electrical transients
- High energy / low capacitance GDT technology
- High durability and RoHS Compliant
- Low insertion loss
- High frequency and bidirectional
- Includes mounting / grounding clip



**100% Lead-Free (RoHS Compliant)**

Electrical Characteristics	
Frequency Range	DC - 400MHz
DC Breakdown (Turn-On) (100V/s)	350V ±15%
Impulse Breakdown (8/20 us)	≤ 1500V
Technology Type	Gas Discharge Tube (GDT)
Insertion Loss	< 0.2dB
Return Loss	≥ 14dB
VSWR	< 1.1:1
Maximum Power	50W
Maximum Current (8/20 us)	10kA (1 time)
Impedance	50 Ω
Insulation Resistance (at 100V <sub>DC</sub> )	≥ 1000M Ω

Mechanical Characteristics	
Connector Type	M Type (P-J)
Connection Method	Series (Bidirectional)
Grounding	Clip
Weight	80g (2.82oz)

Environmental Characteristics	
Operating Temperature Range	-20°C to +60°C (-4°F to 140°F)
Maximum Operating Altitude	2000m (6562ft)
Relative Humidity	≤ 90%

Applications:

- Wireless (WiFi) Communications
- Measuring Instruments
- Transmitters and Receivers
- Tower Equipment (TTE and TMA)
- Wimax Broadband
- Antenna Systems
- High Frequency Coaxial Lines using M-type Connectors

■ External view

