

Coaxial Surge Protectors (SPD's)

Part Number: **SMA-JP-1**



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
- Compact and life weight



100% Lead-Free (RoHS Compliant)

Electrical Characteristics	
Frequency Range	DC - 3GHz
DC Breakdown (Turn-On) (100V/s)	≥ 120V
Voltage Protection Level - U_p (Impulse Breakdown V)	≤ 900V
Technology Type	Gas Discharge Tube (GDT)
Insertion Loss	< 0.3dB
Return Loss	≥ 14dB
VSWR	< 1.2:1
Maximum Power	10W
Maximum Current (8/20 μ s)	5kA (10 times), 10kA (1 time)
Maximum Current (10/350 μ s)	2.5kA (2 times)
Impedance	50 Ω
Insulation Resistance (at 100V _{DC})	≥ 1000M Ω

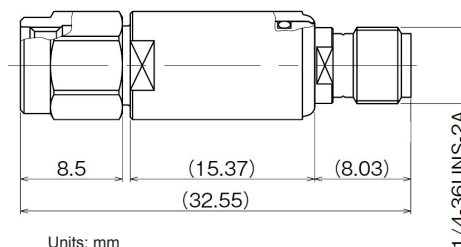
Mechanical Characteristics	
Connector Type	SMA Type (P-J)
Connection Method	Series (Bidirectional)
Grounding	None
Weight	9.3g (0.33oz)

Environmental Characteristics	
Operating Temperature Range	-40°C to +70°C (-40°F to 158°F)
Maximum Operating Altitude	2000m (6562ft)
Relative Humidity	≤ 90%

Applications:

- Microwave Wireless Communication Devices
- Transmitters and Receivers
- Antenna Systems
- High Frequency Coaxial Lines using SMA-type Connectors

■ External view



Units: mm

1/4-36UNS-2A