

# Coaxial Surge Protectors (SPD's)

Part Number: **N-JP-8**



**Features:**

- High reliability protection from surges caused by lightning or other electrical transients
- Meets IEC 61643-21 compliance, Category C2 & D1 Impulse Requirements
- High energy / low capacitance GDT technology
- High durability and RoHS Compliant
- Low insertion loss
- High frequency and bidirectional



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

Electrical Characteristics	
Frequency Range	DC - 2.2GHz
DC Breakdown (Turn-On) (100V/s)	400-600V
Voltage Protection Level - $U_p$ (Impulse Breakdown V)	$\leq 1100V$
Technology Type	Gas Discharge Tube (GDT)
Insertion Loss	< 0.2dB
Return Loss	$\geq 20dB$
VSWR	< 1.2:1
Maximum Power	200W
Maximum Current - Category C2 (8/20 $\mu s$ )	20kA (10 times)
Maximum Current - Category D1 (10/350 $\mu s$ )	2.5kA (2 time)
Impedance	50 $\Omega$
Insulation Resistance (at 100V <sub>DC</sub> )	$\geq 100M \Omega$
Mechanical Characteristics	
Connector Type	N Type (P-J)
Connection Method	Series (Bidirectional)
Grounding	Screw
Weight	106g (3.74oz)
Environmental Characteristics	
Environmental Rating	IP20
Operating Temperature Range	-40°C to +70°C (-40°F to 158°F)
Maximum Operating Altitude	2000m (6562ft)
Relative Humidity	5% - 96%

**Applications:**

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

■ External view

