



Universal Gas Tube Coaxial Surge Protectors

P8AX Series



P8AX25-B/MF

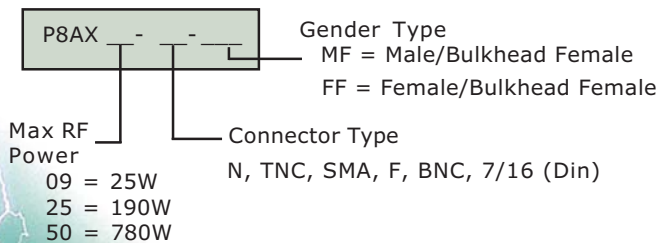
The P8AX series coaxial surge protectors have been designed to protect antennas, microwaves, broadband applications, two-way radios, cellular, GPS and CATV equipment against lightning surges and electrical transients. They are a first line of defense for your sensitive equipment.

The P8AX series employs a patented replaceable gas tube, are waterproof (IP65) and available with three grounding options:

M6 ground screw, bulkhead or optional mounting bracket.

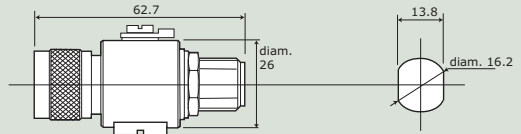
- Tower Mounted Amplifiers (TMA)
- Global Positioning Systems (GPS)
- Antenna Systems
- Tower Top Electronics (TTE)
- Transmitters and Receivers
- WiFi
- Broadband Wireless
- WiMax Broadband wireless

Ordering information



Dimensions

P8AX09-N/MF
(example)



High-Frequency Surge Protection

- 20kA transient amps protection (8/20µs)
- 5kA transient amps protection (10/350µs)
- DC Pass to +/-48V
- VSWR < 1.2
- Insertion Loss < 0.1dB
- Bi-directional, series installed
- Waterproof
- Removable GDT

Characteristics

CITEL Part Number	P8AX09	P8AX25	P8AX50
Frequency Range	DC-5GHz	DC-5GHz	DC-5GHz
DC Turn-On (Breakdown)	90-130V	200-300V	400-600V
Technology	Gas Discharge Tube	Gas Discharge Tube	Gas Discharge Tube
Insertion Loss	≤0.1db	≤0.1db	≤0.1db
Return Loss	≥20db	≥20db	≥20db
VSWR	<1.2:1	<1.2:1	<1.2:1
I _{peak} (8/20 µs)	20kA	20kA	20kA
Max Power	25W	190W	780W
Max current	10A	10A	10A
Impedance	50 omhs ¹	50 omhs ¹	50 omhs ¹
Connection Method	Series (bi-directional)	Series (bi-directional)	Series (bi-directional)
Connectors	N, TNC, SMA, F, BNC, 7/16	N, TNC, SMA, F, BNC, 7/16	N, TNC, SMA, F, BNC, 7/16
Grounding	M6 Screw, Bulkhead, Bracket	M6 Screw, Bulkhead, Bracket	M6 Screw, Bulkhead, Bracket
Environmental Rating	IP65	IP65	IP65
Operating Temp	-50°C to +85°C	-50°C to +85°C	-50°C to +85°C
Operating Altitude	13,000 ft (4,000m)	13,000 ft (4,000m)	13,000 ft (4,000m)
Relative Humidity	up to 5 to 95% non-condensing, up to 100%	up to 5 to 95% non-condensing, up to 100%	up to 5 to 95% non-condensing, up to 100%
Weight	4.4 oz	4.4 oz	4.4 oz
Standard Compliance	UL497E		

¹ Impedance for F-Type Connector is 75 Ohms.