



# High Frequency Gas Tube Coaxial Surge Protectors

## P8AX 6G Series



**P8AX09-6G-N/MF**

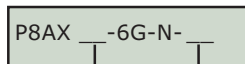
The P8AX-6G series coaxial surge protectors have been designed to protect multi-point radios, backhaul bridges, antennas, microwaves, broadband applications, two-way radios, and cellular equipment against lightning surges and electrical transients. They are a first line of defense for your sensitive equipment and have Multi Strike Capability.

The P8AX-6G series employs replaceable gas tubes, are waterproof (IP65) and available with three grounding methods:

M6 ground screw, bulkhead optional mounting bracket.

- Multi-Point Radio & Backhaul Bridges
- Tower Mounted Amplifiers (TMA)
- Antenna Systems
- Tower Top Electronics (TTE)
- Transmitters and Receivers
- WiFi
- Wimax Broadband Wireless

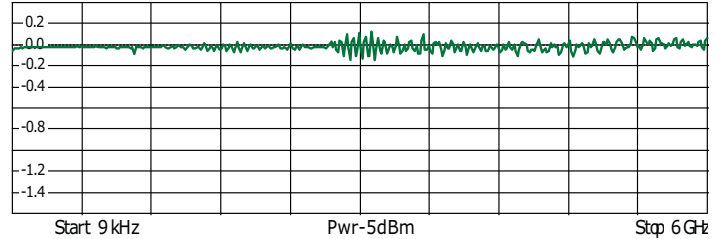
### Ordering information



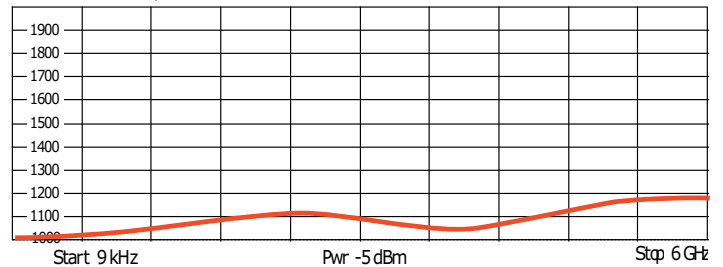
Max RF Power  
 09 = 25W  
 25 = 190W  
 50 = 780W

Gender Type  
 MF = Male/Bulkhead Female  
 FF = Female/Bulkhead Female

**Insertion Loss** 0.2 dB/div



**VSWR** 100 mV/div



### Characteristics

CITEL Part Number	P8AX09-6G	P8AX25-6G	P8AX50-6G
Frequency Range	DC-6.9GHz	DC-6.9GHz	DC-6.9GHz
DC Turn-On (Breakdown)	90-130V	200-300V	400-600V
Technology	Gas Discharge Tube	Gas Discharge Tube	Gas Discharge Tube
Insertion Loss	≤0.2db	≤0.2db	≤0.2db
Return Loss	≥19db	≥19db	≥19db
VSWR	<1.25:1	<1.25:1	<1.25:1
Ipeak (8/20 μs)	20kA	20kA	20kA
Max Power	25W	190W	780W
Max current	10A	10A	10A
Impedance	50 omhs	50 omhs	50 omhs
Connection Method	Series (bi-directional)	Series (bi-directional)	Series (bi-directional)
Connectors	N	N	N
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	5.3 oz	5.3 oz	5.3 oz