P8AX-6G Series

Insertion Loss   0.2 dB/div

Start 9 kHz	Pwr -5 dBm	Stop 6 GHz

VSWR   100 mV/div

Start 9 kHz	Pwr -5 dBm	Stop 6 GHz

The P8AX-6G series coaxial surge protectors have been designed to protect multi point radios, backhaul bridges, antennas, microwaves, braodband 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 replacable gas tubes, are waterproof (IP65) and available with three grounding methods:
M6 ground screw, bulkhead or optional mounting bracket.

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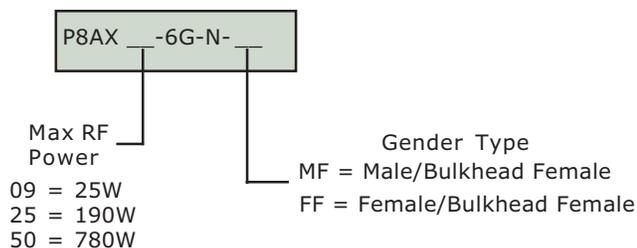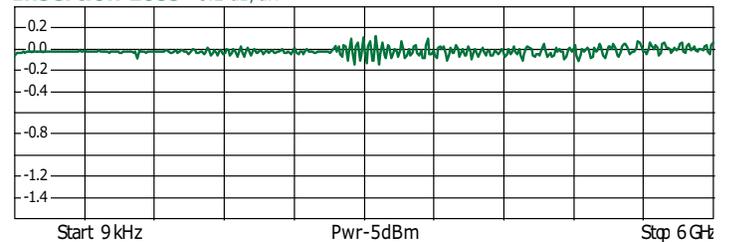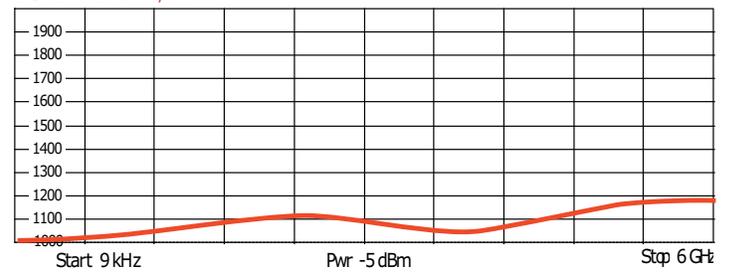
Characteristics

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
Enviromental Rating	IP65	IP65	IP65
Operating Temp	-50℃ to +85℃	-50℃ to +85℃	-50℃ to +85℃
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

Ordering information

P8AX ___ -6G-N- ___

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

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