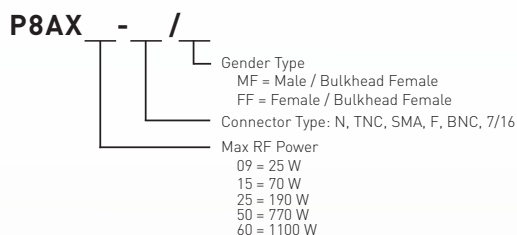


## GAS TUBE COAXIAL SURGE PROTECTOR

### P8AX-N Series

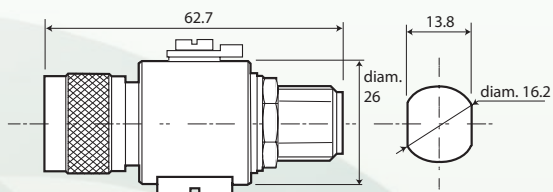


- I<sub>max</sub> 20 kA @ 8/20μs
- VSWR < 1.2
- Insertion Loss < 0.2dB
- Bi-directional, series installed
- Waterproof
- Removable GDT



### Dimensions

P8AX09-N/MF (example)



(in mm)

### Material

COMPONENT	MATERIAL	SURFACE PLATING
Body	Brass	Cu-Zn-Sn
Male contacts	Bronze	Gold or Silver
Female contacts	Bronze	Gold or Silver
Insulators	PTFE	-

### Applications

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

### Characteristics

CITEL PART NUMBER	P8AX09	P8AX15	P8AX25	P8AX50	P8AX60
Frequency Range	DC-3.5GHz	DC-3.5GHz	DC-2.5GHz	DC-3.5GHz	DC-2.5GHz
Technology	Gas Discharge Tube				
DC Spark-Over Voltage (100V/s)	90V +/-20%	150V +/-20%	250V +/-20%	500V +/-20%	600V +/-20%
Insertion Loss	≤0.2db				
Return Loss	≥20 db				
VSWR	< 1.2:1				
Discharge Current (8/20 μs)	20kA				
Protection level	≤700V	≤700V	≤700V	≤1150V	≤1200V
Max Peak Power	25W	70W	190W	770W	1100W
Insulation Resistance (50 or 100 Vac)	≥10 GΩ				
Impedance	50 ohms				
Connection Method	Series (bi-directional)				
Grounding	M6 Screw, Bulkhead, Bracket				
Environmental Rating	IP65				
Operating Temperature	-50°C to +85°C				
Operating Altitude	4,000m				
Relative Humidity	up to 5 to 95% non-condensing, up to 100%				
Weight	140g				