

# RF Coaxial Protectors - 6 GHz

## P8AX-6G series



P8AX09-6G-N/MF

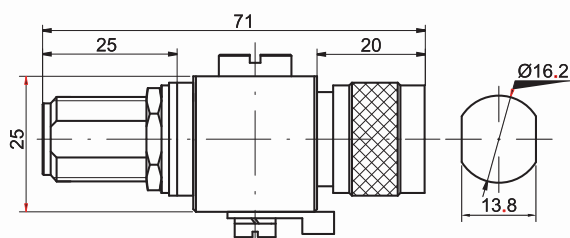
- **Coaxial surge protector 6 GHz**
- **Low insertion losses**
- **Waterproof**
- **Removable GDT**
- **DC-pass**
- **Bi-directional protection**

P8AX-6G-

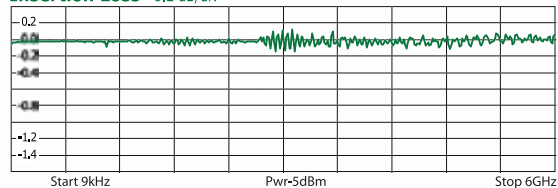
Type : MF = Male/Female  
FF = Female/Female  
Connectors (see reference system page 112)  
Voltage (see reference system page 112)

## Dimensions - Electrical diagrams

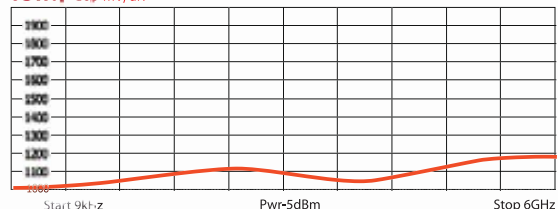
(in mm)



Insertion Loss 0,2 dB/div



VSWR 100 mV/div



## Characteristics

CITEL part number	P8AX09-6G	P8AX25-6G
Frequency	DC-6GHz	DC-6GHz
Technology	Gas discharge tube	Gas discharge tube
Insertion loss	≤0.2db	≤0.2db
Return Loss	≥19 db	≥19 db
VSWR	<1.25:1	<1.25:1
Discharge current (8/20 μs)	20 kA	20 kA
Protection level	< 700 V	< 700 V
Max Power	70 W	240 W
Max Current	10 A	10 A
Impedance	50 ohms	50 ohms
Connection Method	Series [bi-directional]	
Mechanical characteristics		
Connectors	N, TNC, SMA	
Grounding	M6 Screw, Bulkhead, Bracket	
Environmental Rating	IP65	
Operating Temp	-40°C to +85°C	
Operating Altitude	4,000m	
Relative Humidity	up to 5 to 95% non-condensing, up to 100%	

## Material

Component	Body	Male contacts	Female contacts	Insulators
Material	Brass	Bronze	Bronze	PTFE
Surface Plating	Cu Zn Sn	Gold/Silver	Gold/Silver	N/A