

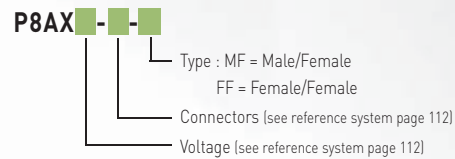
RF Coaxial Protectors - 4 GHz

P8AX series



P8AX09-N/MF

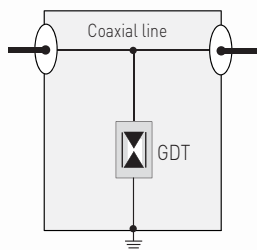
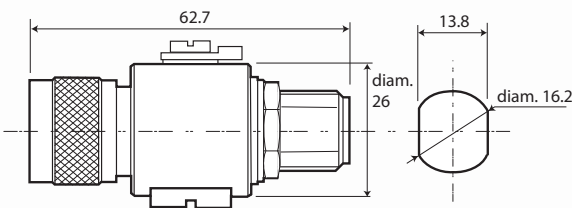
- **Coaxial surge protector 4 GHz**
- **Low insertion losses**
- **Waterproof**
- **Removable GDT**
- **DC-pass**
- **Bi-directional protection**



Dimensions - Electrical diagrams

(in mm)

P8AX09-N/MF
(example)



GDT: 2-electrode gas discharge tube

Characteristics

CITEL part number	P8AX09	P8AX25	P8AX50
Frequency range	DC-4GHz ¹	DC-4GHz ¹	DC-4GHz
Technology	GDT	GDT	GDT
Insertion loss	<0.2db	<0.2db	<0.2db
Return Loss	≥20 db	≥20 db	≥20 db
VSWR	<1.2:1	<1.2:1	<1.2:1
Discharge current (8/20 μs)	20 kA	20 kA	20 kA
Protection level	<600 V	<600 V	<1000 V
Max Power	25 W	190 W	780 W
Max Current	10 A	10 A	10 A
Impedance	50 ohms ²	50 ohms ²	50 ohms ²
Connection Method	Series (bi-directional)		
Mechanical characteristics			
Connectors	N, TNC, SMA, F, BNC, 7/16		
Grounding	M6 Screw, Bulkhead, Bracket		
Environmental Rating	IP65		
Operating Temp	-40°C to +85°C		
Operating Altitude	4,000 m		
Relative Humidity	up to 5 to 95% non-condensing, up to 100%		

¹Max. frequency type F : 2 GHz

²Impedance for F type connector is 75 ohms

Material

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