

Coaxial Surge Protectors - 6GHz

P8AX-6G Series



P8AX09-6G-N/MF

- **6GHz Bi-Directional Coaxial Surge Protector**
- **Low Insertion Loss**
- **High Energy GDT Technology**
- **Field Replaceable GDT**
- **Waterproof Design**
- **DC Pass Configuration**
- **Bi-Directional Protection**

P8AX-6G-

Type : MF = Male/Female

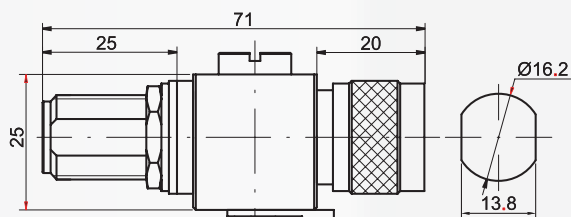
FF = Female/Female

Connectors (see reference system page 112)

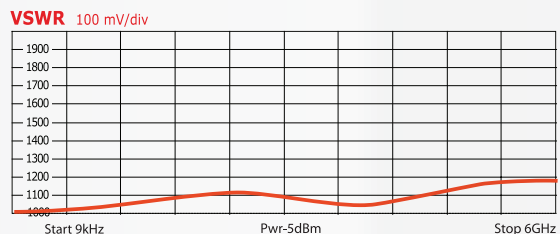
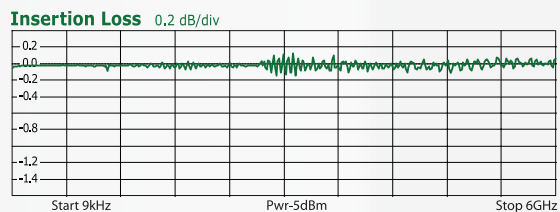
Voltage (see reference system page 112)

Dimensions

(in mm)



Dimensions vary by connector, N connector shown



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
Maximum Power	70 W	240 W
Maximum 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 Temperature	-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