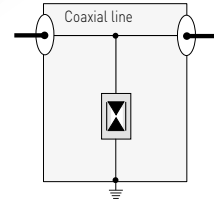
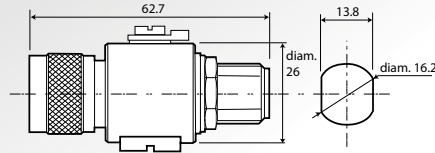


RF Coaxial Protectors - 4 GHz P8AX series



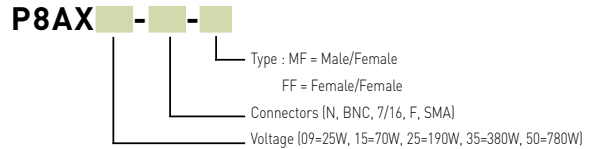
P8AX09-N/MF

P8AX09-N/MF
(exemple)



GDT: 2-electrode gas discharge tube

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



Characteristics

CITEL Model	P8AX09*	P8AX25*	P8AX50*			
Description	RF coaxial protector - 4 GHz	Parafoudre coaxial HF- 4 GHz	RF coaxial protector - 4 GHz			
Technology	Gas discharge tube	Gas discharge tube	Gas discharge tube			
Max. frequency	f DC-4GHz	DC-4GHz	DC-4GHz			
Max Power	P 25 W	190 W	780 W			
Impedance	Z 50 ohms	50 ohms	50 ohms			
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			
Max. Load current	IL 10A	10A	10A			
Nominal discharge current - 8/20µs test x 10 - C2 category	In 5 kA	5 kA	5 kA			
Max. discharge current -max. withstand @ 8/20 µs	I _{max} 20 kA	20 kA	20 kA			
Impulse current - 2 x 10/350µs Test - D1 Category	I _{imp} 2.5 kA	2.5 kA	2.5 kA			
Protection level	Up < 650 V	< 800 V	< 1200 V			
Failsafe behavior	Short-circuit	Short-circuit	Short-circuit			
Mechanical characteristics						
Dimensions	see diagram					
Connection to Network	N . TNC. SMA. F. BNC. 7/16					
Disconnection indicator	transmission interrupt					
Mounting	Feedthrough					
Operating temperature	-40/+85°C					
Protection rating	IP65					
Housing material	Brass/Surface plating : Cu Zn Sn					
Contacts	Bronze/Surface Au-Ag					
Insulation material	PTFE					
RohS compliance	yes					
Spare unit	BBHF-90V	BBHF-250V	BBHF-500V			
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497C / UL497E					
Part number						
BNC connector Female/Female	P8AX09-B/FF	60111	P8AX25-B/FF	60114	P8AX50-B/FF	60117
BNC connector Male/Female	P8AX09-B/MF	60101	P8AX25-B/MF	60104	P8AX50-B/MF	60107
N connector Female/Female	P8AX09-N/FF	60011	P8AX25-N/FF	60014	P8AX50-N/FF	60017
N connector Male/Female	P8AX09-N/MF	60001	P8AX25-N/MF	60004	P8AX50-N/MF	60007
F connector Female/Female	P8AX09-F/FF	60211	P8AX25-F/FF	60214	-	-
F connector Male/Female	P8AX09-F/MF	60201	P8AX25-F/MF	60204	-	-
SMA connector Female/Female	P8AX09-SMA/FF	60511	P8AX25-SMA/FF	60514	P8AX50-SMA/FF	-
SMA connector Male/Female	P8AX09-SMA/MF	60501	P8AX25-SMA/MF	60504	P8AX50-SMA/MF	-
7/16 connector Female/Female	P8AX09-716/MF	60401	P8AX25-716/MF	60404	P8AX50-716/MF	60407
7/16 connector Male/Female	P8AX09-716/FF	60411	P8AX25-716/FF	60414	P8AX50-716/FF	60417

* Max. frequency type F : 2 GHz

** Impedance for F type connector is 75 ohms