P8AX09-N/MF

P8AX SERIES

- **Low insertion losses**
- **Waterproof**
- **Removable GDT**
- **DC-pass**
- **Bi-directional protection**

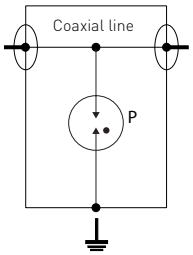
P8AX■-■-■

- Type : MF = Male/Female
  FF = Female/Female
- Connectors
- Voltage

Characteristics

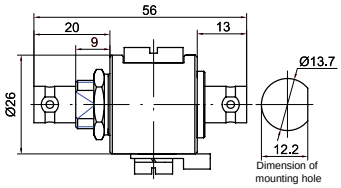
CITEL Model		P8AX09*		P8AX-15*		P8AX25*		P8AX50*	
Description		RF coaxial protector - 3.5 GHz							
Technology		Gas discharge tube		Gas discharge tube		Gas discharge tube		Gas discharge tube	
Frequency range	f	DC-3.5GHz		DC-3.5GHz		DC-3.5GHz		DC-3.5GHz	
Max Power	P	25 W		70 W		190 W		780 W	
Impedance	Z	50/75 ohms		50/75 ohms		50/75 ohms		50/75 ohms	
Insertion loss		< 0.2dB		< 0.2dB		< 0.2dB		< 0.2dB	
Return loss		> 20 dB		> 20 dB		> 20 dB		> 20 dB	
VSWR		<1.2:1		<1.2:1		<1.2:1		<1.2:1	
Max. Load current	IL	10A		10A		10A		10A	
Nominal discharge current *- 8/20µs Test x 10 - C2 Category*	In	5 kA		5 kA		5 kA		5 kA	
Max. discharge current *-max. withstand @ 8/20 µs by pole*	Imax	20 kA		20 kA		20 kA		20 kA	
Impulse current *- 2 x 10/350µs Test - D1 Category*	limp	2.5 kA		2.5 kA		2.5 kA		2.5 kA	
Protection level *@ 1kV/µs - C3 Category*	Up	< 650 V		< 700 V		< 800 V		<1200 V	
Typical let through energy *(50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs*		300 µJ		320 µJ		350 µJ		1100 µJ	
End of life behavior		Short-circuit (fault mode 2 - Transmission interruption)							
Mechnical characteristics									
Dimensions		see diagram							
Connection to Network		N . TNC. SMA. F. BNC. 7/16, 4.3-10							
Disconnection indicator		transmission interrupt							
Mounting		Feedthrough							
Operating temperature		-40/+85°C							
Protection rating		IP66							
Housing material		Brass/Surface plating: Cu Zn Sn							
Contacts		Bronze/Surface plating: Au or Ag							
Insulation material		PTFE							
RohS compliance		yes							
Spare unit		BBHF-90V		BBHF-150V		BBHF-250V		BBHF-500V	
Standards									
Compliance		IEC 61643-21 / EN 61643-21 / UL497C / UL497E							
*** Part number**									
BNC connector Female/Female		P8AX09-B/FF	60111	P8AX15-B/FF	60112	P8AX25-B/FF	60114	P8AX50-B/FF	60117
BNC connector Male/Female		P8AX09-B/MF	60101	P8AX15-B/MF	60102	P8AX25-B/MF	60104	P8AX50-B/MF	60107
N connector Female/Female		P8AX09-N/FF	60011	P8AX15-N/FF	60012	P8AX25-N/FF	60014	P8AX50-N/FF	60017
N connector Male/Female		P8AX09-N/MF	60001	P8AX15-N/MF	60002	P8AX25-N/MF	60004	P8AX50-N/MF	60007
F connector Female/Female		P8AX09-F/FF	60211	P8AX15-F/FF	60212	P8AX25-F/FF	60214	P8AX50-F/FF	-
F connector Male/Female		P8AX09-F/MF	60201	P8AX15-F/MF	-	P8AX25-F/MF	60204	P8AX50-F/MF	-
SMA connector Female/Female		P8AX09-SMA/FF	60511	P8AX15-SMA/FF	60512	P8AX25-SMA/FF	60514	P8AX50-SMA/FF	-
SMA connector Male/Female		P8AX09-SMA/MF	60501	P8AX15-SMA/MF	60502	P8AX25-SMA/MF	60504	P8AX50-SMA/MF	-
7/16 connector Female/Female		P8AX09-716/MF	60401	P8AX15-716/MF	-	P8AX25-716/MF	60404	P8AX50-716/MF	60407
7/16 connector Male/Female		P8AX09-716/FF	60411	P8AX15-716/FF	-	P8AX25-716/FF	60414	P8AX50-716/FF	60417
4.3-10 connector Female/Male		P8AX09-4310/MF	-	P8AX15-4310/MF	-	P8AX25-4310/MF	-	P8AX50-4310/MF	-
4.3-10 connector Male/Female		P8AX09-4310/FF	-	P8AX15-4310/FF	-	P8AX25-4310/FF	-	P8AX50-4310/FF	-

Note : If no ordering code, please contact us for more information



P: 2-electrode gas discharge tube

P8AX_-B/FF



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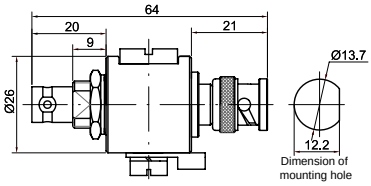

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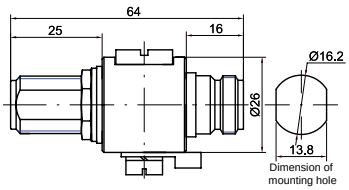

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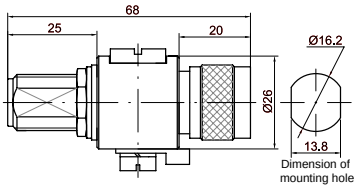

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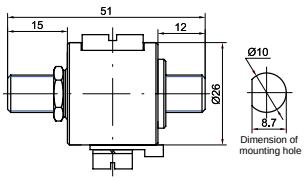

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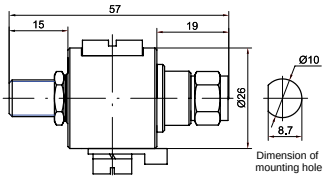

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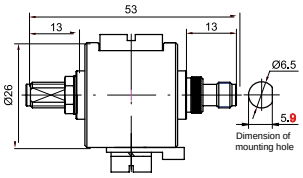

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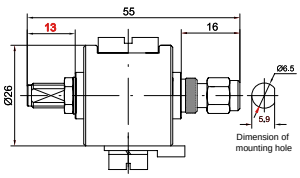

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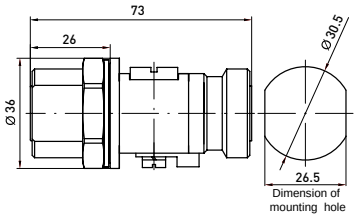
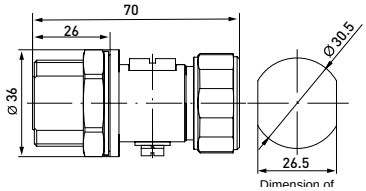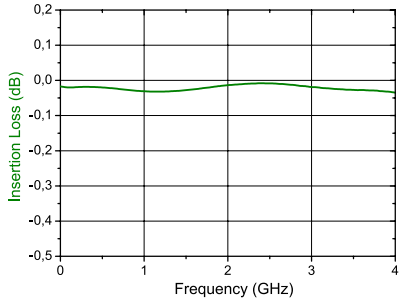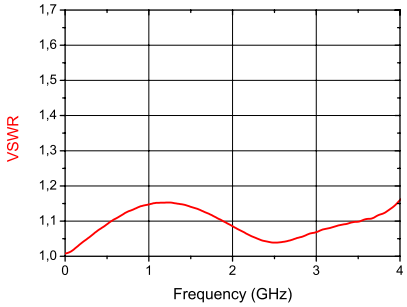
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