



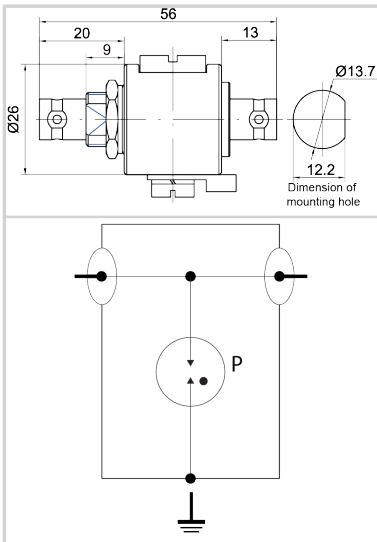
# CITEL

## Coaxial surge protector DC-3.5 GHz

### P8AX09-B/FF



- RF coaxial surge protector
- 3.5 GHz
- Connectors: BNC
- Low insertion loss
- Removable GDT
- DC-pass
- Bi-directional protection



#### Electrical Characteristics

Max. DC operating voltage	Uc	72 Vdc
Frequency range	f	DC-3.5 GHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2:1
Max. load current @25°C	IL	10 A
Residual Current		
Leakage current to Ground	I <sub>pe</sub>	None
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	I <sub>max</sub>	20 kA
Nominal discharge current C2 Category	I <sub>n</sub>	5 kA
Protection mode(s)		Common mode
Protection level @1kV/ $\mu$ s (C3)	U <sub>p</sub>	< 650 V
Impulse current 2 x 10/350 $\mu$ s Test - D1 Category	I <sub>imp</sub>	1 kA
Max Power		25 W
Typical let through energy (50 ohms) input 4kV 1.2/50 $\mu$ s - 2kA 8/20 $\mu$ s		300 $\mu$ J
DC Pass		Yes
Insulation resistance	IR	$\geq 10$ GOhms

#### Mechanical Characteristics

Technology		Gas discharge tube
Connection to Network		Connector BNC Female/Female
Mounting		Bulkhead or Bracket
Housing material		Brass/Surface plating: Cu Zn Sn
Operating temperature	Tu	-40/+85°C
Relative Humidity		5 - 85%
Protection rating		IP65
Failsafe mode		Short-circuit
Disconnection indicator		Transmission interrupt
Spare module(s)		BBHF-90V
Dimensions		See diagram
Contacts		Bronze/Surface Au-Ag

#### Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / UL497E
Environmental standards		EU RoHS
RohS compliance		Yes

#### Part number

60111

