



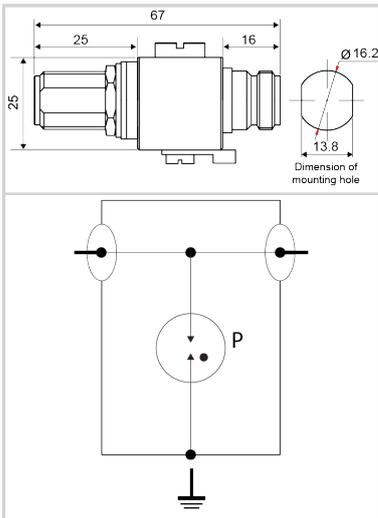
CITEL

- UL497E LISTED - I_{max} 20kA (10kA UL) - I_n 10kA (10kA UL) - Bi-directional - Replaceable Gas Tube

P8AX09-6G-N/FF



- Gas Discharge Tube Technology, DC Pass
- Frequency Range 0-6 GHz
- I_{max} 20kA, 10kA (UL), I_n 10kA
- IP67 Outdoor Rated
- SMA Type Connector
- Bi-Directional
- Replaceable Gas Tube



Electrical Characteristics

| | | |
|--|------------------|---------------|
| Max. DC operating voltage | Uc | 120 Vdc |
| Frequency range | f | DC-6 GHz |
| Insertion loss | | < 0.2 dB |
| Return loss | | ≥20 dB |
| Impedance | | 50 ohms |
| VSWR | | <1.25:1 |
| Max. load current @25°C | IL | 10 A |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | I _{max} | 15 kA |
| Nominal discharge current <i>C2 Category</i> | I _n | 5 kA |
| Impulse current <i>2 x 10/350 μs Test - D1 Category</i> | I _{imp} | 1 kA |
| Max Power | | 25 W |
| Typical let through energy <i>(50 ohms) input 4kV 1.2/50 μs - 2kA 8/20 μs</i> | | 2.2 mJ |
| DC Pass | | Yes |
| Insulation resistance | IR | ≥10 GOhms |
| RF SPD TYPE | | UL497E LISTED |
| VOLTS | (V) | 48 |
| AC/DC/DC PV/RF | | RF |
| POWER RATING | (W) | 25 |
| AMBIENT MIN | (C) | -40 |
| AMBIENT MAX | (C) | +85 |
| RESIDUAL VOLTAGE | (V) | 700 |
| IN <i>10 impulses 8/20 μs</i> | (kA) | 10 |
| IMAX <i>8/20 μs</i> | (kA) | 20 |

Installation

| | | |
|--|-----|-------------------------|
| Operating Temperature _{Min} | °C | -45.0000 |
| Operating Temperature _{Max} | °C | 85.0000 |
| Operating Relative Humidity _{Max} | %RH | Can be submerged |
| Operating Altitude _{Min} | Ft | 2000.0000 |
| Operating Altitude _{Max} | Ft | 6500.0000 |
| Mounting | | Bracket or through hole |
| Installation Location | | Indoor / outdoor |
| Spare part | | BA HF 90/20 |
| Accessories | | BK |

Miscellaneous

| | | |
|-----------------|--|----|
| Individual Pack | | No |
|-----------------|--|----|

Mechanical Characteristics

| | | |
|-----------------------|----|---------------------------|
| Technology | | Gas discharge tube |
| Connection to Network | | Connector N Female/Female |
| Mounting | | Feedthrough |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP65 |
| Failsafe mode | | Short-circuit |



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| | |
|-------------------------|----------------------------------|
| Contacts | Bronze/Surface Au-Ag |
| TECHNOLOGY | GDT |
| CONNECTION METHOD | SERIES CONNECTOR, BI-DIRECTIONAL |
| CONNECTOR TYPE | N |
| GENDER | FEMALE TO FEMALE |
| MOUNTING | BULKHEAD, OPTIONAL BRACKET |
| MATERIAL | Cu, Zn, Sn plated Brass, PTFE |
| NEMA RATING (IP RATING) | NEMA 6P (IP67) |
| DIMENSIONS | See diagram |
| SPARE PART | BA HF 90/20 |
| Standards | |
| Environmental standards | EU RoHS |
| RohS compliance | Yes |
| UL STANDARD | UL497E |
| UL CATEGORY | QVLA |
| UL FILE NUMBER | E349646 |
| Part number | |
| 68011 | |

