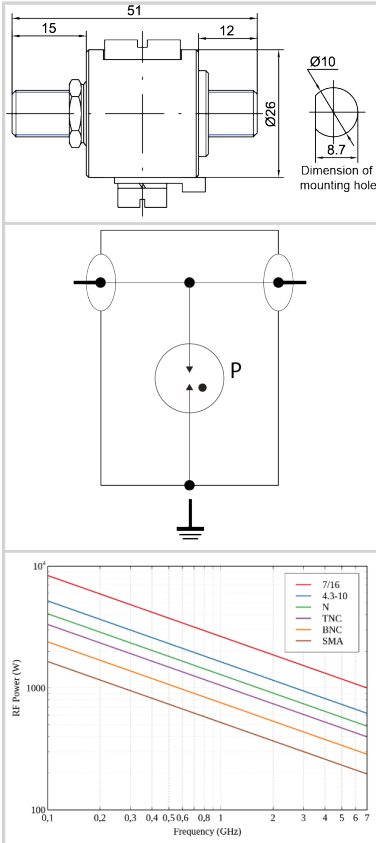




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P8AX15-F/FF



Electrical Characteristics

| | | |
|--|-------|---------------|
| Max. DC operating voltage | Uc | 120 Vdc |
| Frequency range | f | DC-2 GHz |
| Insertion loss | | < 0.5 dB |
| Return loss | | > 19 dB |
| Impedance | | 75 ohms |
| VSWR | | < 1.3:1 |
| Max. load current @25°C | IL | 10 A |
| Max. discharge current <i>max. withstand @ 8/20 µs by pole</i> | Imax | 20 kA |
| Nominal discharge current <i>C2 Category</i> | In | 5 kA |
| Protection mode(s) | | Common mode |
| Protection level <i>@1kV/µs (C3)</i> | Up | < 700 V |
| Impulse current <i>2 x 10/350µs Test - D1 Category</i> | Iimp | 1 kA |
| Max Power | | 42 W |
| Typical let through energy <i>(50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs</i> | | 320 µJ |
| DC Pass | | Yes |
| Insulation resistance | IR | ≥10 GOhms |
| RF SPD TYPE | | UL497E LISTED |
| VOLTS | (V) | 48 |
| AC/DC/DC PV/RF | | RF |
| WIRES | | 1W+GROUND |
| LINE CURRENT MAX | (A) | 10 |
| AMBIENT MIN | (C) | -40 |
| AMBIENT MAX | (C) | +85 |
| IMAX <i>8/20µs</i> | (kA) | 20 |
| FREQUENCY RANGE | (GHz) | 0-4.0 |
| INSERTION LOSS (@ FREQ) | (db) | <0.2 |
| RETURN LOSS | (db) | 22 |
| VSWR | | <1.25:1 |

Installation

| | |
|-------------|----------------------------------|
| Mounting | Bracket or Bulkhead through-hole |
| Accessories | BK series mounting bracket |

Mechanical Characteristics

| | |
|-------------------------|----------------------------------|
| Technology | Gas discharge tube |
| Connection to Network | Connector F Female/Female |
| Mounting | Bulkhead or Bracket |
| Operating temperature | Tu -40/+85°C |
| Protection rating | IP65 |
| Failsafe mode | Short-circuit |
| Contacts | Bronze/Surface Au-Ag |
| Insulation material | PTFE |
| TECHNOLOGY | GDT |
| CONNECTION METHOD | SERIES CONNECTOR, BI-DIRECTIONAL |
| MOUNTING | BULKHEAD, OPTIONAL BRACKET |
| MATERIAL | Housing-Cu, Zn, Sn plated Brass |
| NEMA RATING (IP RATING) | NEMA 6P (IP67) |
| DIMENSIONS | See diagram |
| WEIGHT | 0.30 lbs |

Standards

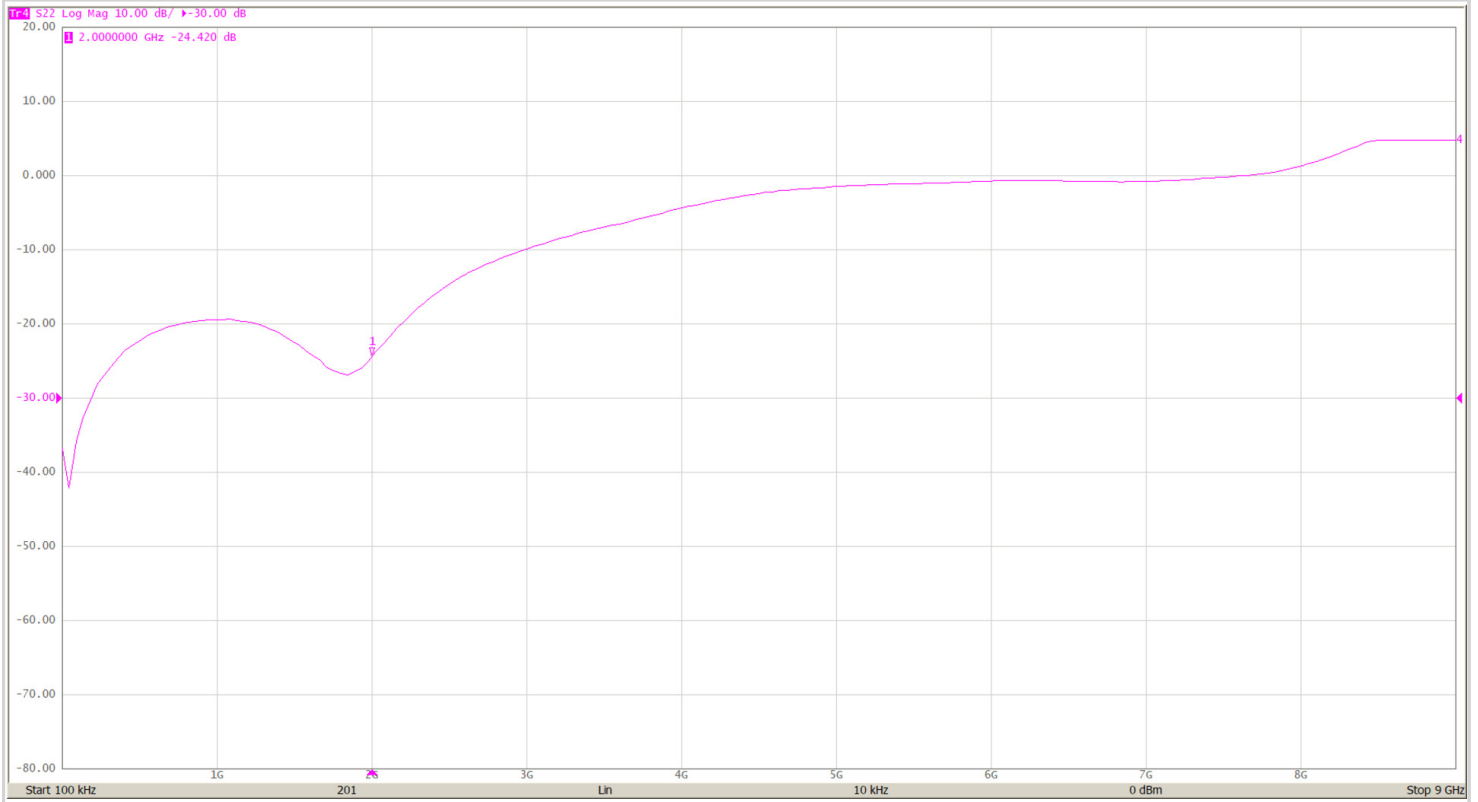
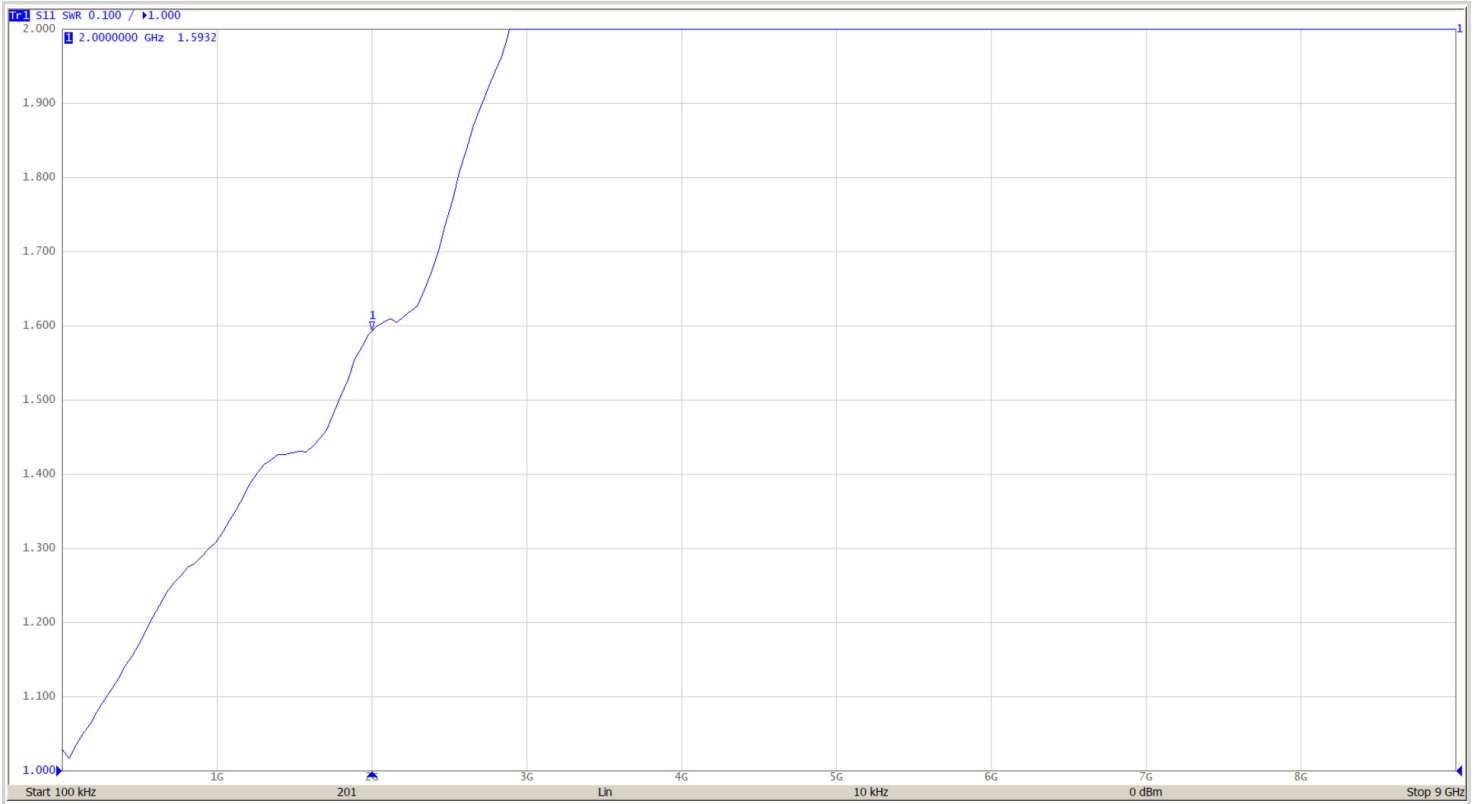
| | |
|-------------------------|---------|
| Environmental standards | EU RoHS |
| RohS compliance | Yes |
| UL STANDARD | UL497E |
| UL CATEGORY | QVLA |



P8AX15-F/FF

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| | |
|----------------|--------------------------------------|
| UL FILE NUMBER | E349646 |
| STANDARDS | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| Part number | 60212 |





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