

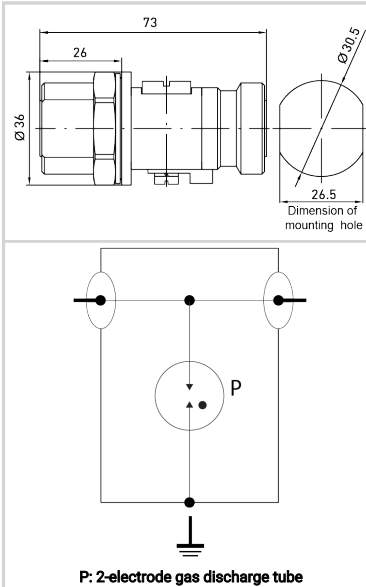


P8AX50-716/FF

CITEL



►6GHz Bi-Directional Coaxial Surge Protector - No follow current - Low Insertion Loss - Waterproof Design - DC Pass



| Electrical Characteristics | | | |
|---|-------|---------------|--|
| Max. DC operating voltage | Uc | 400 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 | |
| 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 | |
| Impulse current <i>2 x 10/350 μs Test - D1 Category</i> | Iimp | 1 kA | |
| Max Power | | 780 W | |
| DC Pass | | Yes | |
| Insulation resistance | IR | ≥10 GOhms | |
| RF Power <i>Maximum</i> | W | 780.0000 | |
| Return Loss <i>Minimum</i> | db | 20 | |
| VSWR <i>Maximum</i> | :1 | <1.2:1 | |
| Max Total Discharge Current <i>Imax (8/20 μs x 1)</i> | kA | 20.0000 | |
| Max Discharge Current <i>Imax (8/20 μs x 1)</i> | kA | 20.0000 | |
| 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>8/20 μs</i> | (kA) | 20 | |
| FREQUENCY RANGE | (GHz) | 0-4.0 | |
| INSERTION LOSS (@ FREQ) | (db) | <0.2 | |
| RETURN LOSS | (db) | 22 | |
| VSWR | | <1.25:1 | |
| Installation | | | |
| Operating TemperatureMin | °C | -45.0000 | |
| Operating TemperatureMax | °C | 85.0000 | |
| Operating TemperatureMin | °F | -50.0000 | |



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| | | |
|--|-----|--------------------------------------|
| Operating Temperature ^{Max} | °F | 85.0000 |
| Operating Relative Humidity ^{Max} | %RH | Can be submerged |
| Operating Altitude ^{Min} | Ft | 2000.0000 |
| Operating Altitude ^{Max} | Ft | 6500.0000 |
| Housing/Enclosure material | | Cu, Zn, Sn plated Brass |
| Mounting | | Bracket or through hole |
| IP Environmental rating ^{IP} | | IP65 |
| NEMA Environmental rating ^{NEMA} | | NEMA 4 |
| Installation Location | | Indoor / outdoor |
| Spare part | | BB HF 500/20 |
| Accessories | | BK |
| Product Dimension ^L | mm | 73.0000 |
| Product Dimension ^H | mm | 36.0000 |
| Product Dimension ^W | mm | 26.5000 |
| Product Dimension ^L | In | 2.8700 |
| Product Dimension ^H | In | 1.4200 |
| Product Dimension ^W | In | 1.0400 |
| Miscellaneous | | |
| Individual Pack | | No |
| Storage Temperature ^{Min} | °C | -40.0000 |
| Storage Temperature ^{Max} | °C | 85.0000 |
| Storage Temperature ^{Min} | °F | -40.0000 |
| Storage Temperature ^{Max} | °F | 85.0000 |
| Mechanical Characteristics | | |
| Technology | | Gas discharge tube |
| Connection to Network | | Connector 7/16 Female/Female |
| 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 | | Cu, Zn, Sn plated Brass, PTFE |
| NEMA RATING (IP RATING) | | NEMA 6P (IP67) |
| DIMENSIONS | | See diagram |
| WEIGHT | | 0.30 lbs |
| Standards | | |
| RohS compliance | | Yes |
| UL STANDARD | | UL497E |
| UL CATEGORY | | QVLA |
| UL FILE NUMBER | | E349646 |
| STANDARDS | | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| ENVIRONMENTAL STANDARDS | | ROHS |
| Part number | | |
| 60417 | | |

