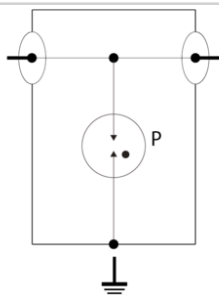
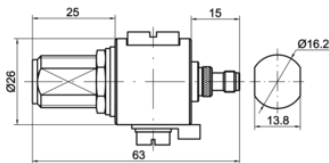




↳ 4GHz Bi-Directional Coaxial Surge Protector - High Energy GDT Technology - Low Insertion Loss - Field Replaceable GDT - Waterproof Design - DC Pass - UL497E Listed



### 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          |
| Protection mode(s)  |       | Common mode   |
| Impulse current 2 x 10/350µs Test - D1 Category           | Iimp  | 1 kA          |
| Nominal discharge current C2 Category                     | In    | 5 kA          |
| Max Power   |       | 275 W         |
| DC Pass   |       | Yes           |
| Insulation resistance                                     | IR    | ≥10 GOhms     |
| RF Power Maximum  | W     | 780.0000      |
| Return Loss Minimum                                       | db    | >20           |
| VSWR Maximum  | :1    | <1.2:1        |
| Max Total Discharge Current I <sub>max</sub> (8/20µs x 1) | kA    | 20.0000       |
| Max Discharge Current I <sub>max</sub> (8/20µs x 1)       | 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 8/20µs   | (kA)  | 20            |
| FREQUENCY RANGE   | (GHz) | 0-4.0         |
| INSERTION LOSS (@ FREQ)                                   | (db)  | <0.2          |
| RETURN LOSS   | (db)  | >22           |
| VSWR  |       | <1.25:1       |

### Installation

|  |     |                         |
|--|-----|-------------------------|
| Operating Temperature <sub>Min</sub>       | °C  | -45.0000                |
| Operating Temperature <sub>Max</sub>       | °C  | 85.0000                 |
| Operating Temperature <sub>Min</sub>       | °F  | -50.0000                |
| Operating Temperature <sub>Max</sub>       | °F  | 85.0000                 |
| Operating Relative Humidity <sub>Max</sub> | %RH | Can be submerged        |
| Operating Altitude <sub>Min</sub>          | Ft  | 2000.0000               |
| Operating Altitude <sub>Max</sub>          | 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 <sub>L</sub>             | mm  | 64.0000                 |
| Product Dimension <sub>H</sub>             | mm  | 26.0000                 |
| Product Dimension <sub>W</sub>             | mm  | 13.8000                 |
| Product Dimension <sub>L</sub>             | In  | 2.5100                  |
| Product Dimension <sub>H</sub>             | In  | 1.0200                  |

|                                   |    |                                      |
|-----------------------------------|----|--------------------------------------|
| Product Dimension <i>W</i>        | In | 0.5400                               |
| <b>Miscellaneous</b>              |    |                                      |
| Individual Pack                   |    | No                                   |
| Storage Temperature <i>Min</i>    | °C | -40.0000                             |
| Storage Temperature <i>Max</i>    | °C | 85.0000                              |
| Storage Temperature <i>Min</i>    | °F | -40.0000                             |
| Storage Temperature <i>Max</i>    | °F | 85.0000                              |
| <b>Mechanical Characteristics</b> |    |                                      |
| Connection to Network             |    | Connector N Female/SMA Female        |
| 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                             |
| <b>Standards</b>                  |    |                                      |
| 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                                 |
| <b>Part number</b>                |    |                                      |
| 611826                            |    |                                      |