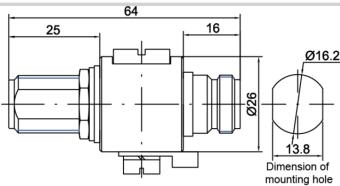


**P8AX25-N/FF**


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



| Installation                                               |      |                         |
|------------------------------------------------------------|------|-------------------------|
| Operating Temperature (Min)                                | °C   | -45.0000                |
| Operating Temperature (Max)                                | °C   | 85.0000                 |
| Operating Temperature (Min)                                | °F   | -50.0000                |
| 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 250/20            |
| Accessories                                                |      | BK                      |
| Product Dimension (L)                                      | mm   | 64.0000                 |
| Product Dimension (H)                                      | mm   | 26.0000                 |
| Product Dimension (W)                                      | mm   | 13.8000                 |
| Product Dimension (L)                                      | In   | 2.5100                  |
| Product Dimension (H)                                      | In   | 1.0200                  |
| Product Dimension (W)                                      | In   | 0.5400                  |
| 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                 |
| Electrical Characteristics                                 |      |                         |
| 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                                          | IL   | 10 A                    |
| Protection mode(s)                                         |      | Common mode             |
| Impulse current (2 x 10/350µs Test - D1 Category)          | Iimp | 1 kA                    |
| Nominal discharge current (8/20µs Test x 10 - C2 Category) | In   | 5 kA                    |
| Max Power                                                  |      | 190 W                   |
| DC Pass                                                    |      | true                    |
| Insulation resistance                                      | IR   | ≥ 10 GOhms              |
| RF Power (Maximum)                                         | W    | 190.0000                |
| Return Loss (Minimum)                                      | db   | > 20                    |
| VSWR (Maximum)                                             | :1   | < 1.2:1                 |
| Max Total Discharge Current (Imax (8/20µs x 1))            | kA   | 20.0000                 |
| Max Discharge Current (Imax (8/20µs x 1))                  | kA   | 20.0000                 |

## P8AX25-N/FF

|                                   |       |                                      |
|-----------------------------------|-------|--------------------------------------|
| DC Pass                           |       | Yes                                  |
| 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                                  |
| IN(10 impulses 8/20μs)            | (kA)  | 10.0000                              |
| IMAX(8/20μs)                      | (kA)  | 20                                   |
| FREQUENCY RANGE                   | (GHz) | 0-4.0                                |
| INSERTION LOSS                    | (db)  | < 0.2                                |
| RETURN LOSS                       | (db)  | > 22                                 |
| VSWR                              |       | < 1.25:1                             |
| <b>Mechanical Characteristics</b> |       |                                      |
| Outdoor application               |       | Yes                                  |
| 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 (mm)                     |
| 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>                |       |                                      |
| <b>60014</b>                      |       |                                      |

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