

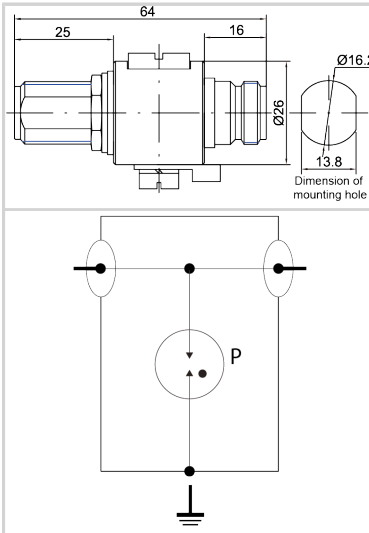


# P8AX60-N/FF

# CITEL



►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               | 480 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<br>max. withstand @ 8/20 µs by pole   | I <sub>max</sub> | 20 kA            |  |
| Nominal discharge current<br>C2 Category                     | I <sub>n</sub>   | 5 kA             |  |
| Protection mode(s)   |                  | Common mode      |  |
| Impulse current<br>2 x 10/350µs Test - D1 Category           | I <sub>imp</sub> | 1 kA             |  |
| Max Power  |                  | 687 W            |  |
| DC Pass  |                  | Yes              |  |
| Insulation resistance  | IR               | ≥10 GOhms        |  |
| RF Power<br>Maximum  | W                | 1100.0000        |  |
| Return Loss<br>Minimum                                       | db               | 20               |  |
| VSWR<br>Maximum  | :1               | <1.2:1           |  |
| Max Total Discharge Current<br>I <sub>max</sub> (8/20µs x 1) | kA               | 20.0000          |  |
| Max Discharge Current<br>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<br>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        |  |



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|   |    |                                      |
|---|----|--------------------------------------|
| Operating Altitude <sup>Max</sup>         | Ft | 6500.0000                            |
| Housing/Enclosure material                |    | Cu, Zn, Sn plated Brass              |
| Mounting                                  |    | Bracket or through hole              |
| IP Environmental rating <sup>IP</sup>     |    | IP65                                 |
| NEMA Environmental rating <sup>NEMA</sup> |    | NEMA 4                               |
| Installation Location                     |    | Indoor / outdoor                     |
| Spare part                                |    | BB HF 600/20                         |
| Accessories                               |    | BK                                   |
| Product Dimension <sup>L</sup>            | mm | 64.0000                              |
| Product Dimension <sup>H</sup>            | mm | 26.0000                              |
| Product Dimension <sup>W</sup>            | mm | 13.8000                              |
| Product Dimension <sup>L</sup>            | In | 2.5100                               |
| Product Dimension <sup>H</sup>            | In | 1.0200                               |
| Product Dimension <sup>W</sup>            | In | 0.5400                               |
| <b>Miscellaneous</b>                      |    |                                      |
| Individual Pack                           |    | No                                   |
| Storage Temperature <sup>Min</sup>        | °C | -40.0000                             |
| Storage Temperature <sup>Max</sup>        | °C | 85.0000                              |
| Storage Temperature <sup>Min</sup>        | °F | -40.0000                             |
| Storage Temperature <sup>Max</sup>        | °F | 85.0000                              |
| <b>Mechanical Characteristics</b>         |    |                                      |
| Technology                                |    | Gas discharge tube                   |
| Connection to Network                     |    | Connector N 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                             |
| <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>60016</b>                              |    |                                      |

