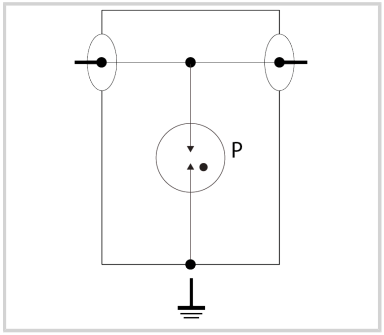
*- UL497E LISTED - Imax 20kA (10kA UL) - In 10kA (10kA UL) - Bi-directional - Replaceable Gas Tube*

# P8AX25-6G-4310/MF




- Gas Discharge Tube Technology, DC Pass
- Frequency Range 0-6 GHz
- Imax 20kA, 10kA (UL), In 10kA
- IP67 Outdoor Rated
- SMA Type Connector
- Bi-Directional
- Replaceable Gas Tube

RoHS




| Electrical Characteristics | | |
|---|---|---|
| Max. DC operating voltage | Uc | 200 Vdc |
| Frequency range | f | DC-6 GHz |
| Insertion loss | | < 0.2 dB |
| Return loss | | > 19 dB |
| Impedance | | 50 ohms |
| VSWR | | <1.25:1 |
| Max. load current @25°C | IL | 10 A |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 15 kA |
| Nominal discharge current<br>*C2 Category* | In | 5 kA |
| Protection mode(s) | | Common mode |
| Impulse current<br>*2 x 10/350µs Test - D1 Category* | limp | 1 kA |
| Max RF Power | | 190 W |
| Typical let through energy<br>*(50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs* | | 2.2 mJ |
| DC Pass | | Yes |
| Insulation resistance | IR | ≥10 GOhms |
| RF Power<br>*Maximum* | W | 190.0000 |
| Return Loss<br>*Minimum* | db | 20 |
| VSWR<br>*Maximum* | :1 | <1.25 |
| Max Total Discharge Current<br>*Imax (8/20µs x 1)* | kA | 10.0000 |
| Max Discharge Current<br>*Imax (8/20µs x 1)* | kA | 10.0000 |
| RF SPD TYPE | | UL497E LISTED |
| VOLTS | (V) | 48 |
| AC/DC/DC PV/RF | | RF |
| WIRES | | 1W+GROUND |
| LINE CURRENT MAX | (A) | 10 |
| POWER RATING | (W) | 240 |
| AMBIENT MIN | (C) | -40 |
| AMBIENT MAX | (C) | +85 |
| RESIDUAL VOLTAGE | (V) | 1000 |
| IMAX<br>*8/20µs* | (kA) | 20 |
| FREQUENCY RANGE | (GHz) | 0-6.9 |
| INSERTION LOSS (@ FREQ) | (db) | <0.2 |
| RETURN LOSS | (db) | 22 |
| VSWR | | <1.25:1 |
| IMPEDANCE | Ω | 50 |
| **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 throught hole |
| IP Environmental rating*IP* | | IP65 |
| NEMA Environmental rating*NEMA* | | NEMA 4 |
| Installation Location | | Indoor / outdoor |
| Spare part | | BA HF 250/20 |

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# P8AX25-6G-4310/MF

| | | |
|---|---|---|
| Accessories | | BK |
| Product Dimension*L* | mm | 71.0000 |
| Product Dimension*H* | mm | 25.0000 |
| Product Dimension*W* | mm | 13.8000 |
| Product Dimension*L* | In | 2.8000 |
| Product Dimension*H* | In | 0.9800 |
| Product Dimension*W* | In | 0.5400 |
| **Miscelaneous** | | |
| 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 4.3-10 Male/Female |
| Mounting | | Feedthrough |
| 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 |
| CONNECTOR TYPE | | N |
| GENDER | | MALE TO FEMALE |
| 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 |
| SPARE PART | | BA HF 250/20 |
| **Standards** | | |
| Environmental standards | | EU RoHS |
| RohS compliance | | Yes |
| UL STANDARD | | UL497E |
| UL CATEGORY | | QVLA |
| UL FILE NUMBER | | E349646 |
| STANDARDS | | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| **Part number** | | |
| **68904** | | |