

### P8AX50-U/MF



- ✦ RF coaxial surge protector
- ✦ 2.5 GHz
- ✦ 770 W
- ✦ Connectors : UHF
- ✦ Low insertion loss
- ✦ Removable GDT
- ✦ DC-pass
- ✦ Bi-directional protection



| Electrical Characteristics                                           |                  |                                     |
|----------------------------------------------------------------------|------------------|-------------------------------------|
| Max. DC operating voltage                                            | Uc               | 400 Vdc                             |
| Frequency range                                                      | f                | DC-2.5 GHz                          |
| Insertion loss                                                       |                  | < 0.2 dB                            |
| Return loss                                                          |                  | 20 dB                               |
| Impedance                                                            |                  | 50 ohms                             |
| VSWR                                                                 |                  | <1.2                                |
| Max. load current @25°C                                              | IL               | 10 A                                |
| Residual Current Leakage current to Ground                           | Ipe              | None                                |
| Max. discharge current max. withstand @ 8/20 µs by pole              | I <sub>max</sub> | 20 kA                               |
| Protection mode(s)                                                   |                  | Common mode                         |
| Protection level @1kV/µs (C3)                                        | Up               | < 1200 V                            |
| Impulse current 2 x 10/350µs Test - D1 Category                      | I <sub>imp</sub> | 1 kA                                |
| Nominal discharge current C2 Category                                | I <sub>n</sub>   | 5 kA                                |
| Max Power                                                            |                  | 770 W                               |
| Typical let through energy (50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs |                  | 1100 µJ                             |
| DC Pass                                                              |                  | Yes                                 |
| Insulation resistance                                                | IR               | ≥10 GOhms                           |
| Mechanical Characteristics                                           |                  |                                     |
| Technology                                                           |                  | Gas discharge tube                  |
| Connection to Network                                                |                  | Connector UHF Male/Female           |
| Mounting                                                             |                  | Feedthrough                         |
| Housing material                                                     |                  | Brass/Surface plating: Cu Zn Sn     |
| Operating temperature                                                | Tu               | -40/+85°C                           |
| Protection rating                                                    |                  | IP65                                |
| Failsafe mode                                                        |                  | Short-circuit                       |
| Disconnection indicator                                              |                  | Transmission interrupt              |
| Dimensions                                                           |                  | See diagram                         |
| Standards                                                            |                  |                                     |
| Standards compliance                                                 |                  | IEC 61643-21 / EN 61643-21 / UL497E |
| RohS compliance                                                      |                  | Yes                                 |
| Part number                                                          |                  |                                     |
| 611811                                                               |                  |                                     |