



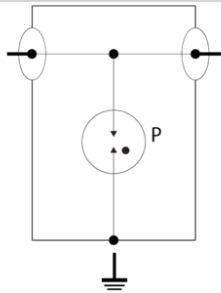
# CITEL

## Coaxial surge protector DC-3.5 GHz

### P8AX25-4310/MF



- RF coaxial surge protector
- DC-3.5 GHz
- 780 W
- Connectors : N
- Low insertion loss
- Removable GDT
- DC-pass
- Bi-directional protection



P: 2-electrode gas discharge tube

| Electrical Characteristics   |                  |                                     |
|--|------------------|-------------------------------------|
| Max. DC operating voltage  | Uc               | 200 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<br>@25°C   | IL               | 10 A                                |
| Residual Current<br><i>Leakage current to Ground</i>                           | Ipe              | None                                |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>              | I <sub>max</sub> | 20 kA                               |
| Protection mode(s)   |                  | Common mode                         |
| Protection level<br><i>@1kV/μs (C3)</i>  | Up               | < 800 V                             |
| Impulse current<br><i>2 x 10/350μs Test - D1 Category</i>                      | I <sub>imp</sub> | 1 kA                                |
| Nominal discharge current<br><i>C2 Category</i>                                | I <sub>n</sub>   | 5 kA                                |
| Max Power  |                  | 190 W                               |
| Typical let through energy<br><i>(50 ohms) input 4kV 1.2/50μs - 2kA 8/20μs</i> |                  | 350 μJ                              |
| DC Pass  |                  | Yes                                 |
| Insulation resistance  | IR               | ≥10 GOhms                           |
| Mechanical Characteristics   |                  |                                     |
| Technology   |                  | Gas discharge tube                  |
| Connection to Network  |                  | Connector 4.3-10 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              |
| Spare module(s)  |                  | BBHF-90V                            |
| Dimensions   |                  | See diagram                         |
| Contacts   |                  | Bronze/Surface Au-Ag                |
| Standards  |                  |                                     |
| Standards compliance   |                  | IEC 61643-21 / EN 61643-21 / UL497E |
| RohS compliance  |                  | Yes                                 |
| Part number  |                  |                                     |
| <b>60904</b>   |                  |                                     |

