



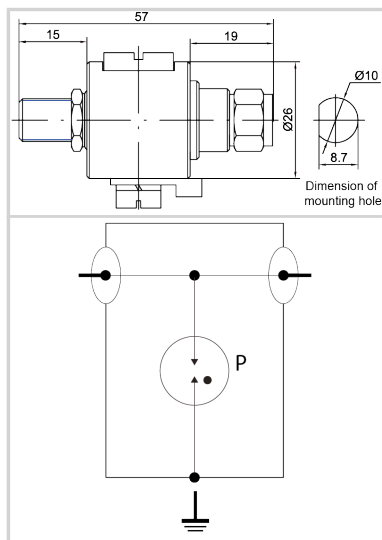
# CITEL



## RF coaxial protector - 2 GHz

### P8AX25-F/MF

- RF coaxial surge protector
- 2 GHz
- 118 W
- Connectors: F
- Low insertion loss
- Removal GDT
- DC-pass
- Bi-directional protection



#### Electrical Characteristics

|                                                                         |      |             |
|-------------------------------------------------------------------------|------|-------------|
| Max. DC operating voltage                                               | Uc   | 200 Vdc     |
| Frequency range                                                         | f    | DC-2 GHz    |
| Insertion loss                                                          |      | < 0.5 dB    |
| Return loss                                                             |      | > 19 dB     |
| Impedance                                                               |      | 75 ohms     |
| VSWR                                                                    |      | < 1.3:1     |
| Max. load current @25°C                                                 | IL   | 10 A        |
| Residual Current                                                        |      |             |
| Leakage current to Ground                                               | Ipe  | None        |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole              | Imax | 20 kA       |
| Nominal discharge current<br>C2 Category                                | In   | 5 kA        |
| Protection mode(s)                                                      |      | Common mode |
| Protection level<br>@1kV/µs (C3)                                        | Up   | < 800 V     |
| Impulse current<br>2 x 10/350µs Test - D1 Category                      | Iimp | 1 kA        |
| Max RF Power                                                            |      | 190 W       |
| Typical let through energy<br>(50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs |      | 350 µJ      |
| DC Pass                                                                 |      | Yes         |
| Insulation resistance                                                   | IR   | ≥10 GOhms   |

#### Mechanical Characteristics

|                         |    |                                 |
|-------------------------|----|---------------------------------|
| Technology              |    | Gas discharge tube              |
| Connection to Network   |    | Connector F Male/Female         |
| Mounting                |    | Bulkhead or Bracket             |
| Housing material        |    | Brass/Surface plating: Cu Zn Sn |
| Operating temperature   | Tu | -40/+85°C                       |
| Relative Humidity       |    | 5 - 85%                         |
| Protection rating       |    | IP65                            |
| Failsafe mode           |    | Short-circuit                   |
| Disconnection indicator |    | Transmission interrupt          |
| Spare module(s)         |    | BBHF-250V                       |
| Dimensions              |    | See diagram                     |
| Contacts                |    | Bronze/Surface Au-Ag            |

#### Standards

|                         |  |                                     |
|-------------------------|--|-------------------------------------|
| Standards compliance    |  | IEC 61643-21 / EN 61643-21 / UL497E |
| Environmental standards |  | EU RoHS                             |
| RohS compliance         |  | Yes                                 |

#### Part number

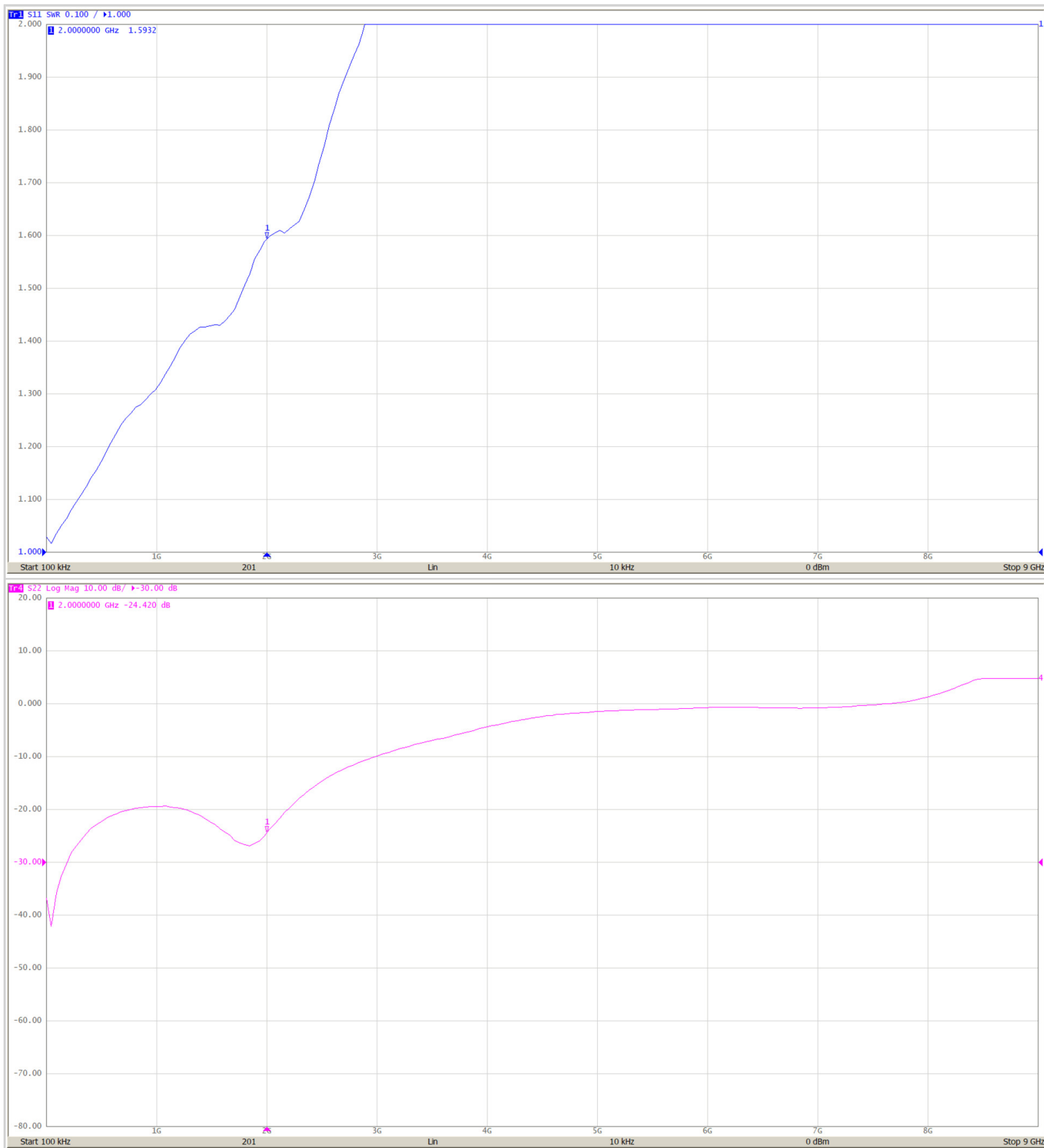
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