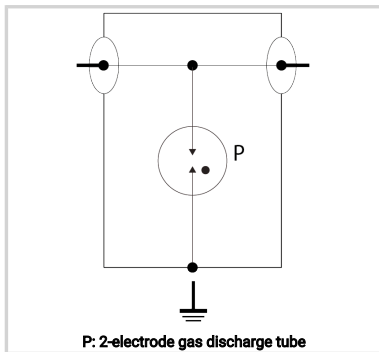




# CITEL



- Coaxial protector type 7/16
- Frequency: DC-2.5 GHz
- Low insertion loss
- I<sub>max</sub> 20 kA
- Bi-directional
- IP65



P: 2-electrode gas discharge tube

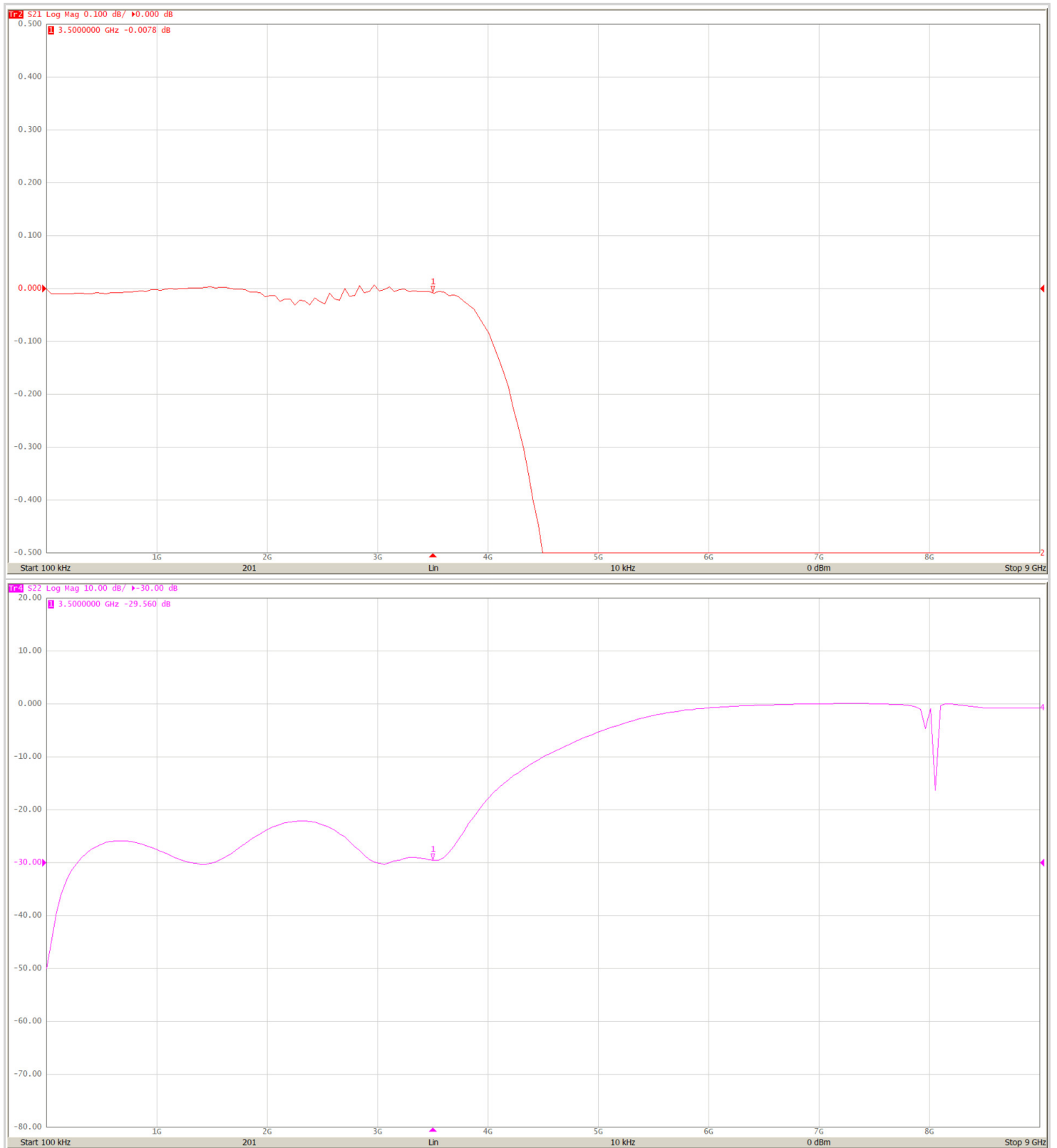
| Electrical Characteristics                                 |                  |                                     |
|------------------------------------------------------------|------------------|-------------------------------------|
| Max. DC operating voltage                                  | Uc               | 640 Vdc                             |
| Frequency range                                            | f                | DC-2.5 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                                |
| Residual Current<br>Leakage current to Ground              | I <sub>pe</sub>  | None                                |
| 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                         |
| Protection level<br>@1kV/µs (C3)                           | Up               | < 1600 V                            |
| Impulse current<br>2 x 10/350µs Test - D1 Category         | I <sub>imp</sub> | 1 kA                                |
| Max RF Power                                               |                  | 2000 W                              |
| DC Pass                                                    |                  | Yes                                 |
| Insulation resistance                                      | IR               | ≥10 GOhms                           |
| Mechanical Characteristics                                 |                  |                                     |
| Technology                                                 |                  | Gas discharge tube                  |
| Connection to Network                                      |                  | 7/16 Male to 7/16 Bulkhead 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)                                            |                  | BH-800V                             |
| Dimensions                                                 |                  | See diagram                         |
| Contacts                                                   |                  | Bronze/Surface Au-Ag                |
| Standards                                                  |                  |                                     |
| Standards compliance                                       |                  | IEC 61643-21 / EN 61643-21 / UL497E |
| RohS compliance                                            |                  | Yes                                 |
| Part number                                                |                  |                                     |
| 60408                                                      |                  |                                     |



# CITEL

## Coaxial surge protector DC-2.5 GHz

### P8AX80-716/MF





CITEL

P8AX80-716/MF

