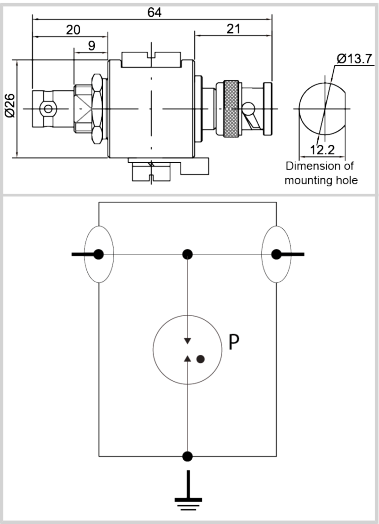
*Coaxial surge protector DC-3.5 GHz*

# P8AX25-B/MF



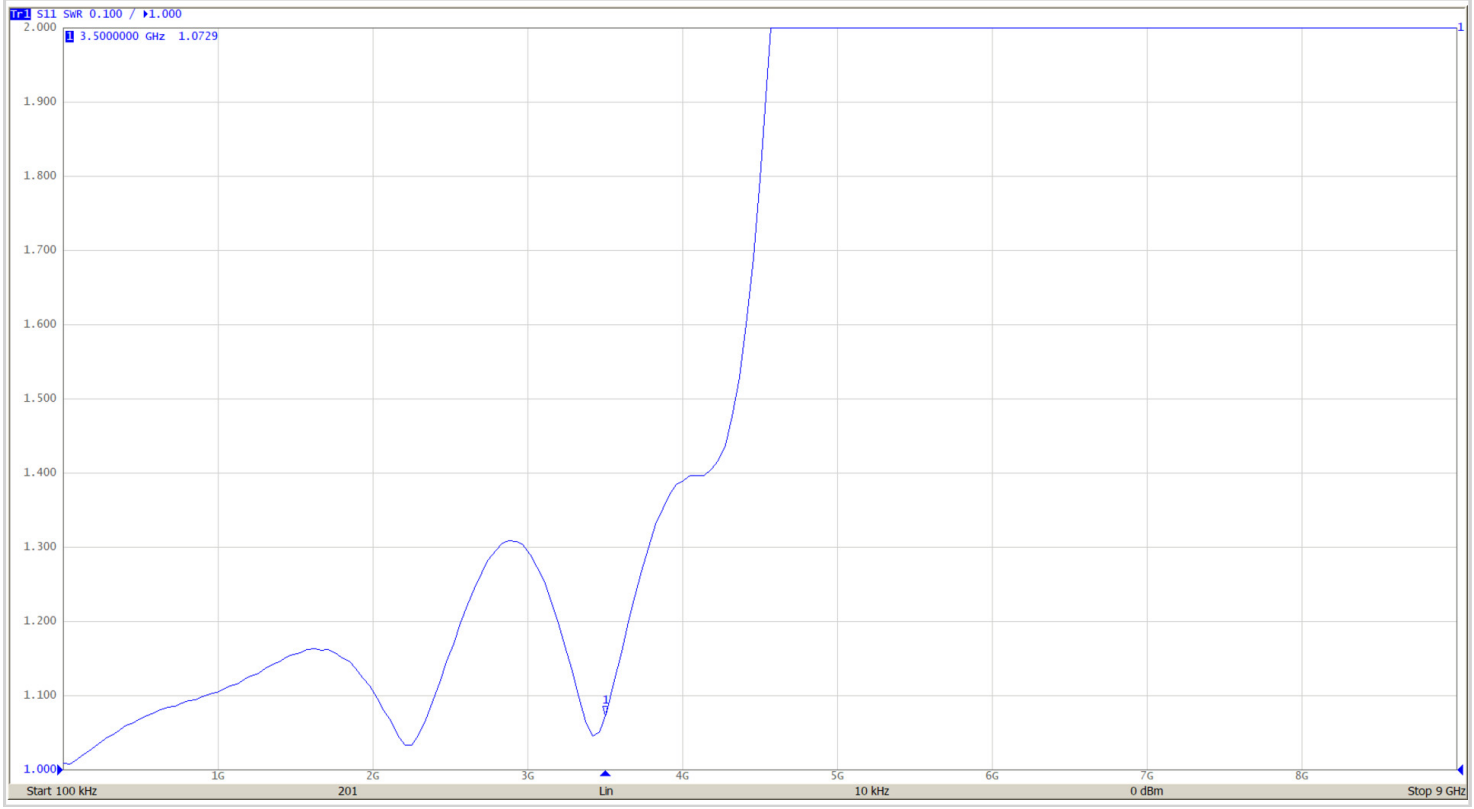

- RF coaxial surge protector
- 3.5 GHz
- Connectors: BNC
- Low insertion loss
- Removale GDT
- DC-pass
- Bi-directional protection



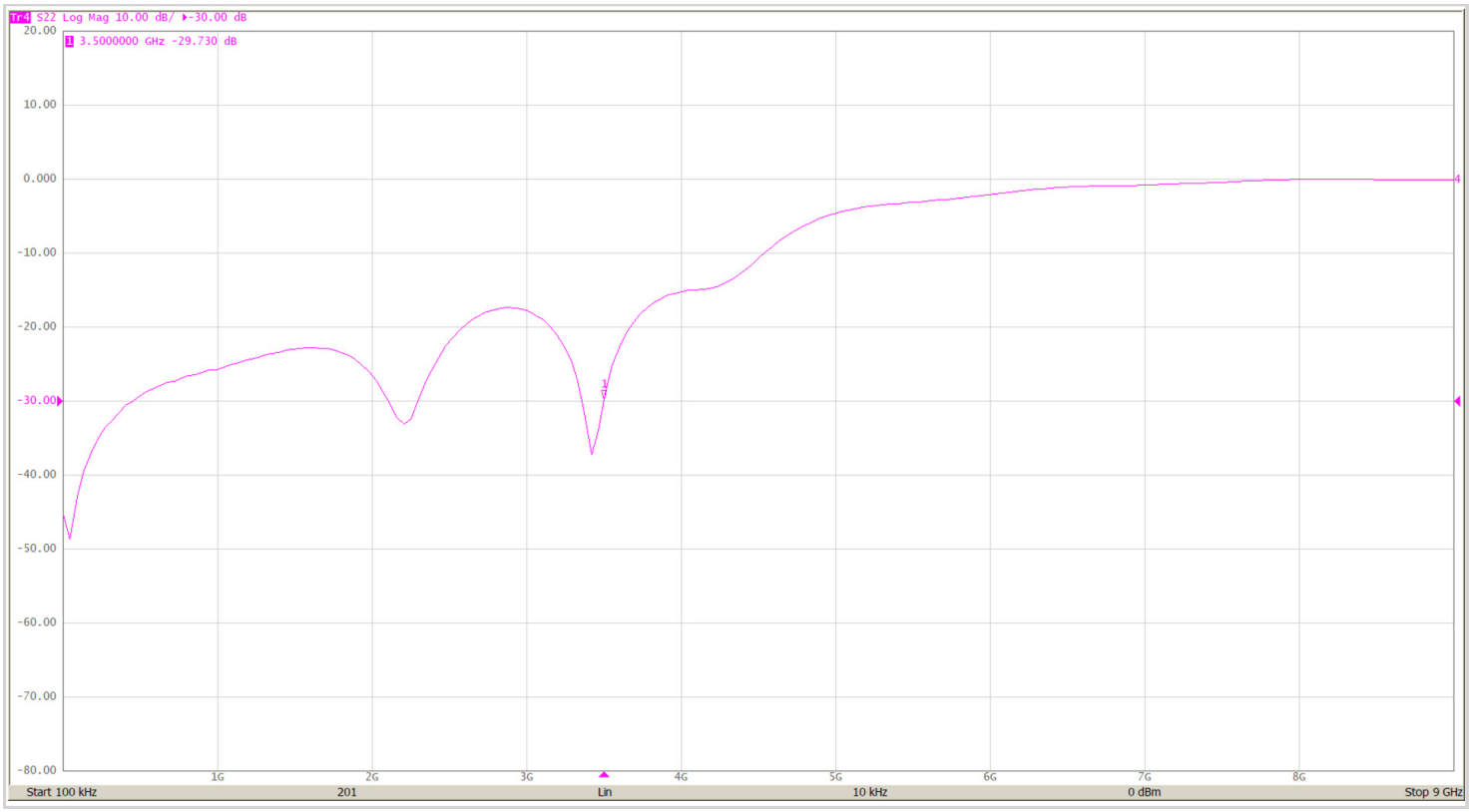

| Electrical Characteristics | | |
|---|---|---|
| Max. DC operating voltage | Uc | 200 Vdc |
| Frequency range | f | DC-3.5 GHz |
| Insertion loss | | < 0.2 dB |
| Return loss | | > 20 dB |
| Impedance | | 50 ohms |
| VSWR | | <1.2:1 |
| Max. load current @25°C | IL | 10 A |
| Residual Current<br>*Leakage 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 BNC 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 | | Transmision 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** | | |
| **60104** | | |

# P8AX25-B/MF


Tr2 S21 Log Mag 0.100 dB/ ▸0.000 dB
1 3.5000000 GHz -0.0442 dB
0.500
0.400
0.300
0.200
0.100
0.000
-0.100
-0.200
-0.300
-0.400
-0.500
1G
2G
3G
4G
5G
6G
7G
8G
Start 100 kHz
201
Lin
10 kHz
0 dBm
Stop 9 GHz


Tr1 S11 SWR 0.100 / ▸1.000
1 3.5000000 GHz 1.0729
2.000
1.900
1.800
1.700
1.600
1.500
1.400
1.300
1.200
1.100
1.000
1G
2G
3G
4G
5G
6G
7G
8G
Start 100 kHz
201
Lin
10 kHz
0 dBm
Stop 9 GHz

# P8AX25-B/MF


Tr4 S22 Log Mag 10.00 dB/ ▸-30.00 dB
1 3.5000000 GHz -29.730 dB
20.00
10.00
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
1G
2G
3G
4G
5G
6G
7G
8G
Start 100 kHz
201
Lin
10 kHz
0 dBm
Stop 9 GHz