



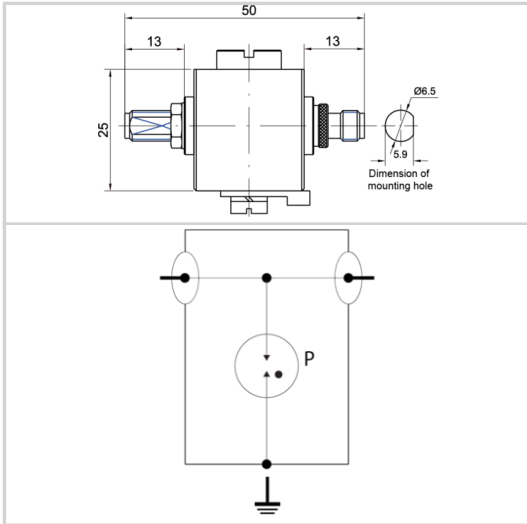
## Coaxial surge protector DC-7 GHz

# CITEL

## P8AX25-6G-SMA/FF



- RF coaxial surge protector
- DC-7 GHz
- 190 W
- Connectors: SMA
- Low insertion loss
- Removable GDT
- DC-pass
- Bi-directional protection



| Electrical Characteristics  |                  |                                     |
|---|------------------|-------------------------------------|
| Max. DC operating voltage   | Uc               | 200 Vdc                             |
| Frequency range   | f                | DC-7 GHz                            |
| Insertion loss  |                  | < 0.3dB                             |
| Return loss   |                  | > 18 dB                             |
| Impedance   |                  | 50 ohms                             |
| VSWR  |                  | <1.3:1                              |
| Max. load current<br>@25°C  | IL               | 10 A                                |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole                | I <sub>max</sub> | 15 kA                               |
| Protection mode(s)  |                  | Common mode                         |
| Protection level<br>@ I <sub>n</sub> (8/20 μs)                            | U <sub>p</sub>   | < 2300 V                            |
| Impulse current<br>2 x 10/350 μs Test - D1 Category                       | I <sub>imp</sub> | 1 kA                                |
| Nominal discharge current<br>C2 Category                                  | I <sub>n</sub>   | 5 kA                                |
| Max Power   |                  | 190 W                               |
| Typical let through energy<br>(50 ohms) input 4kV 1.2/50 μs - 2kA 8/20 μs |                  | 2.2 mJ                              |
| DC Pass   |                  | Yes                                 |
| Insulation resistance   | IR               | ≥10 GOhms                           |
| Mechanical Characteristics  |                  |                                     |
| Technology  |                  | Gas discharge tube                  |
| Connection to Network   |                  | Connector SMA Female/Female         |
| Mounting  |                  | Feedthrough                         |
| Housing material  |                  | Brass/Surface plating: Cu Zn Sn     |
| Operating temperature   | T <sub>u</sub>   | -40/+85°C                           |
| Protection rating   |                  | IP65                                |
| Failsafe mode   |                  | Short-circuit                       |
| Disconnection indicator   |                  | Transmission interrupt              |
| Spare module(s)   |                  | 1 x BA HF                           |
| Dimensions  |                  | See diagram                         |
| Contacts  |                  | Bronze/Surface Au-Ag                |
| Standards   |                  |                                     |
| Standards compliance  |                  | IEC 61643-21 / EN 61643-21 / UL497E |
| RoHS compliance   |                  | Yes                                 |
| Part number   |                  |                                     |
| 68514   |                  |                                     |

