



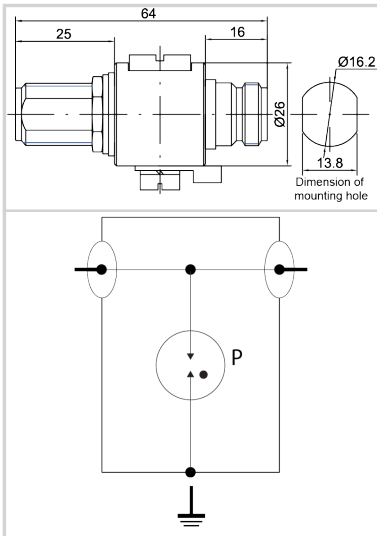
# CITEL

## Coaxial surge protector DC-3.5 GHz

### P8AX09-N/FF/HE



- RF coaxial surge protector
- Harsh environment (HE)
- 3.5 GHz
- Connectors : N
- Low insertion loss
- Removale GDT
- DC-pass
- Bi-directional protection



#### Electrical Characteristics

|   |                  |                 |
|---|------------------|-----------------|
| Max. DC operating voltage   | Uc               | 72 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  |                  |                 |
| Leakage current to Ground   | Ipe              | None            |
| Max. discharge current<br>max. withstand @ 8/20 $\mu$ s 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/ $\mu$ s (C3)  | U <sub>p</sub>   | < 650 V         |
| Impulse current<br>2 x 10/350 $\mu$ s Test - D1 Category                            | I <sub>imp</sub> | 1 kA            |
| Max Power   |                  | 25 W            |
| Typical let through energy<br>(50 ohms) input 4kV 1.2/50 $\mu$ s - 2kA 8/20 $\mu$ s |                  | 300 $\mu$ J     |
| DC Pass   |                  | Yes             |
| Insulation resistance   | IR               | $\geq 10$ GOhms |

#### Mechanical Characteristics

|                         |    |                               |
|-------------------------|----|-------------------------------|
| Technology              |    | Gas discharge tube            |
| Connection to Network   |    | Connector N Female/Female     |
| Mounting                |    | Bulkhead or Bracket           |
| Housing material        |    | Brass/Surface plating: Sn Ni  |
| Operating temperature   | Tu | -40/+85°C                     |
| Relative Humidity       |    | 5 - 85%                       |
| Protection rating       |    | IP66                          |
| Failsafe mode           |    | Short-circuit                 |
| Disconnection indicator |    | Transmission interrupt        |
| Spare module(s)         |    | BBHF-90V                      |
| Dimensions              |    | See diagram                   |
| Contacts                |    | Bronze/Surface Gold or Silver |
| Weight                  |    | 0.135 kg                      |

#### Standards

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

#### Part number

600114

