

Quarter-wave RF Surge protection - Lora

The quarter-wave RF Surge protection is designed to protect the Lora link from lightning that may come the coaxial cable. This product is enclosed in a metal weatherproof enclosure, meeting IP65.

It has 2x connectors N (male-female)

It is bi-directional and can support max 50kA discharge current.



Specifications

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|--|---|
| Technology | Quarter wave |
| Connection to Network | Connector N Male/ N Female |
| Mounting | Feedthrough |
| Housing material | Brass/Surface plating Cu Zn Sn |
| Operating temperature | -40°C to +85°C |
| Protection rating | IP65 |
| Outdoor application | Yes |
| Failsafe behavior | Short-circuit |
| Contacts | Bronze/Surface Au-Ag |
| Insulation material | PTFE |
| Max discharge current | 50 kA |
| Max withstand @ 8/20 µs by pole (Imax) | |
| Max. line current (IL) | 10A |
| Protection level (Up) | < 30 V |
| Impulse current | 25 kA |
| 2 x 10/350µs Test - D1 Category (Iimp) | |
| Nominal discharge current | 25 kA |
| 8/20µs Test x 10 - C2 Category (In) | |
| Frequency range | 800-2200MHz |
| Impedance | 50 ohms |
| Insertion loss | < 0.2dB |
| Max Power | 1500 W |
| Return loss | > 20 dB |
| VSWR | <1.2:1 |
| DC Pass | No |
| Certifications | IEC 61643-21 / EN 61643-21 UL497C / UL497E |

Manufacturer name: CITEL
 Manufacturer reference: PRC822S-N/MF
 Document Version: 1.1
 Updated: May the 4th 2020

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- Accessories are not covered by the maintenance nor warranty extension offers.
- The standard, legal manufacturer's warranty is 1 year.