

- IEC/EN Category: C1/C2/C3
- Protection: Impedance Matched
- Maximum Peak Power: 500W
- Frequency Range: 865–965 MHz, 1.7–1.95 GHz
- Surge Discharge Ratings: I_n : 15 kA, I_{max} : 30 kA
- Impedance: 50 Ω
- Insertion Loss: < 0.2 dB
- Return Loss: > 20 dB
- Termination: L/4-N Type (F-F, M-F)
- Housing: Bulkhead Installation, Shielded Enclosure
- Compliance: IEC/EN 61643-21

The RayDat CP L/4-N Series of coaxial surge protectors is intended to protect RF antenna systems and is suitable for frequencies from DC to 865–965 MHz, 1.7–1.95 GHz.

It is designed for bulkhead or in-line installation. The careful design, low intermodulation and high quality N-type termination connectors ensures a minimum of insertion loss throughout the frequency band.

Transfer power is 500W continuous.

The CP L/4-N coaxial cable protector is designed in accordance with IEC 61643-21: 2009 standards and regulations.

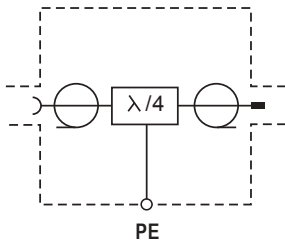
A grounding stud is provided which should be connected to the system ground or coaxial feed-through bulkhead, as directly as possible.

Technical Data

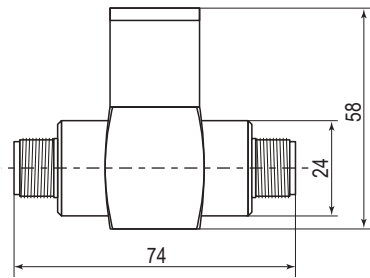
| CP L/4-N | CP L/4-N-FF | CP L/4-N-MF |
|---|---------------------|---------------------------|
| Electrical | | |
| Maximum Peak Power | P_{max} | 500W |
| C2 Nominal Discharge Current (8/20 μ s) | I_n | 15 kA |
| Maximum Discharge Current (8/20 μ s) | I_{max} | 30 kA |
| Voltage Protection Level | U_p | < 100V |
| Impedance | Z | 50 Ω |
| Insertion Loss | I_L | < 0.2 dB |
| Return Loss | R_L | > 20 dB |
| Frequency Range | f_G | 865–965 MHz, 1.7–1.95 GHz |
| Mechanical | | |
| Temperature Range | -40 °C to +80 °C | |
| Connection | L/4-N Female/Female | L/4-N Male/Female |
| Degree of Protection IEC/EN 60529 | IP 20 | |
| Housing Material | Metal | |
| Order Information | | |
| Order Code | | |
| CP L/4-N-XX | 800 886 | 800 885 |

RayDat CP L/4-N Series

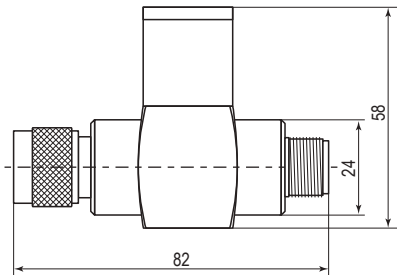
Internal Configuration



Dimensions & Packaging



CP L/4-N-FF



CP L/4-N-MF

| CP L/4-N | CP L/4-N-FF | CP L/4-N-MF |
|------------------------------------|-----------------|-------------|
| Dimensions | | |
| Weight per Unit | 282 g | 266 g |
| Packaging Dimensions (Single Unit) | 77 × 30 × 60 mm | |
| Minimum Package Quantity | 100 pieces | |