

In-line SPD for High Frequency Coaxial & RF Systems

RayDat CP L/4-7/16 Series

CCP-L/4-7/16 Series

C1 • C2 • C3



- 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/4-7/16 Type (F-F, M-F)
- Housing: Bulkhead Installation, Shielded Enclosure
- Compliance: IEC/EN 61643-21

The RayDat CP L/4-7/16 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 a bulkhead or in-line installation. The careful design, low intermodulation and high quality 7/16-type termination connectors ensures a minimum of insertion loss throughout the frequency band.

Transfer power is 500W continuous.

The CP L/4-7/16 coaxial cable protector is designed in accordance with IEC 61643-21: 2009 standards and regulations.

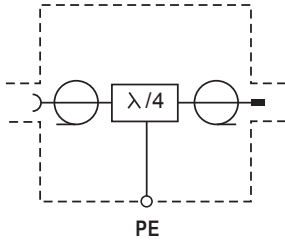
A grounding stud is provided which should be connected to the system ground or coaxial feed-through bulkhead, as directly as possible.

Technical Data

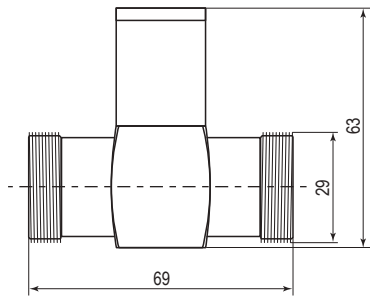
CP L/4-7/16	CP L/4-7/16-FF	CP L/4-7/16-MF
Electrical		
Maximum Peak Power	P_{max}	500W
C2 Nominal Discharge Current (8/20 μ s)	I_n	15 kA
Maximum Discharge Current (8/20 μ s)	I_{max}	30 kA
Voltage Protection Level	U_p	< 100V
Impedance	Z	50 Ω
Insertion Loss	I_L	< 0.2 dB
Return Loss	R_L	> 20 dB
Frequency Range	f_G	865–965 MHz, 1.7–1.95 GHz
Mechanical		
Temperature Range	-40 °C to +80 °C	
Connection	L/4-7/16 Female/Female	L/4-7/16 Male/Female
Degree of Protection IEC/EN 60529	IP 20	
Housing Material	Metal	
Order Information		
Order Code		
CP L/4-7/16-XX	800 884	800 883

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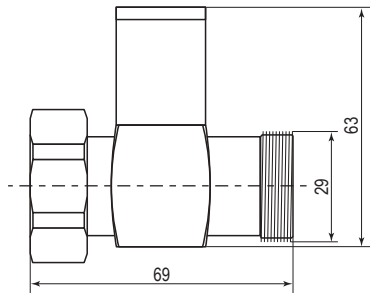
Internal Configuration



Dimensions & Packaging



CP L/4-7/16-FF



CP L/4-7/16-MF

CP L/4-7/16	CP L/4-7/16-FF	CP L/4-7/16-MF
Dimensions		
Weight per Unit	320 g	312 g
Packaging Dimensions (Single Unit)	73 × 35 × 70 mm	
Minimum Package Quantity	100 pieces	