

**DC-BLOCK-3-7MF-02**

DC Block



This DC Block is used to prevent the flow of direct current and low frequency current surges along the inner and outer conductors of a transmission line, while permitting the unimpeded flow of RF signals. Applications include the blocking of current surges in subway tunnels and at antenna sites during lightening storms. The unit consists of a length of coaxial line with a series capacitor in both the center conductor and outer conductor to block the flow of low frequencies, while passing RF with negligible loss or reflections.

Feature / Benefits

- Multi-Band Frequency Range
- 250 W Avg. Power Rating
- 3 kV High Voltage Rating
- Minimal RF Insertion Loss
- Very Low Passive IM
- RoHS Compliant
- High Reliability
- 7-16 male/female connector

Technical features**GENERAL SPECIFICATIONS**

Product Type	DC Block
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ELECTRICAL SPECIFICATIONS

Frequency Range	380 - 2700		
Impedance	50 Ohm		
Value of insertion loss	Lower Frequency		Upper Frequency
0.14	380		520
0.12	520		1700
0.2	1700		2700
VSWRMAX	ReturnLossDB	LowerFrequency	UpperFrequency
1.4	15.5	380	520
1.2	21	520	2200
1.35	16.5	2200	2500
1.4	15.5	2500	2700
Intermodulation (IM3)	150 dBc with 2x43 dBm tones		
Avg. RF Power	250 W		
Max. RF Power	10000 W		
Max. DC Blocking Voltage	3 kV		

MECHANICAL SPECIFICATIONS

Input Connector Type	7-16 male
Output Connector Type	7-16 female

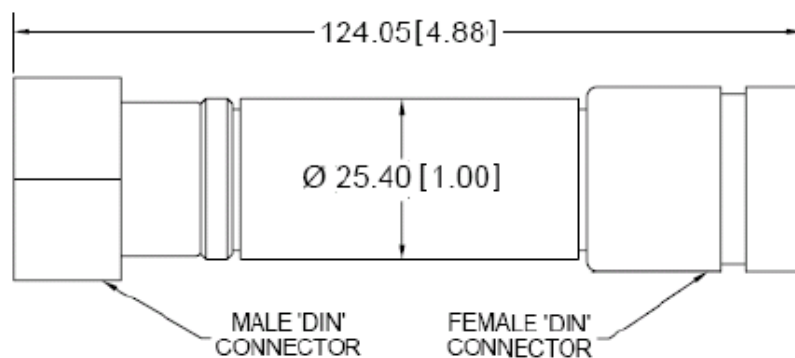
TEMPERATURE SPECIFICATIONS

Temperature Range	-35°C to 75°C (-31°F to 167°F)
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Value Propositions