



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 lightning 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.

FEATURES / 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



DC-BLOCK-3-7MF-02

Technical features

GENERAL SPECIFICATIONS

Product Type		DC Block
Techn. Application		Indoor
Number of Input Ports		1
Number of Output Ports		1

ELECTRICAL SPECIFICATIONS

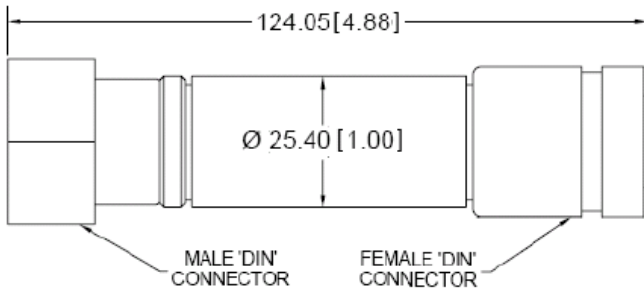
Frequency Range	MHz	380 - 2700
Impedance	Ohm	50
Insertion Loss	dB	0.14 @380 - 520 MHz 0.12 @520 - 1700 MHz 0.20 @1700 - 2700 MHz
Max. VSWR / Return Loss, dB	VSWR/dB	1.40/15.5 @380 - 520 MHz 1.20/21 @520 - 2200 MHz 1.35/16.5 @2200 - 2500 MHz 1.40/15.5 @2500 - 2700 MHz
Intermodulation (IM3)		150 dBc with 2x43 dBm tones
Avg. RF Power	W	250
Max. RF Power	W	10000
Max. DC Blocking Voltage, KV	kV	3

MECHANICAL SPECIFICATIONS

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

TEMPERATURE SPECIFICATIONS

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