



DC Block

Product Description

DC Blocks are 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 and train tunnels.



model is DC-BLOCK-4-7MF

Features/Benefits

- Broadband Frequency Range
- 500 W Avg. Power Rating
- 4 kV High Voltage Rating
- Minimal RF Insertion Loss
- Very Low Passive IM
- High Reliability
- 7/16 male/female connector

Technical Specifications

Product Type	DC Block
Techn. Application	Outdoor
Frequency Range, MHz	160 - 2500
Number of Input Ports	1
Number of Output Ports	1
Connectors	7-16
Input Connector Type	7-16 male
Output Connector Type	7-16 female
Impedance, Ohm	50
Insertion Loss max., dB	0.1
Max VSWR/R L, dB	1.17/22
VSWR comment	1.17/22@160 - 300 MHz 1.1/26@300 - 2500 MHz
Intermodulation (IM3)	typ. -150 dBc
Avg. RF Power, W	500
Max. RF Power, W	1000
Max. DC Blocking Voltage, kV	4
Temperature Range, °C (°F)	-40 to 85 (-40 to 185)
Diameter, mm(in)	42 (1.65)
Weight, kg (lb)	0.46 (1)
Environmental Class	IP 65

Notes

Other Documentation