



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
- N 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 | N |
| Input Connector Type | N female |
| Output Connector Type | N 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