



DC Block

### Product Description

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

### Features/Benefits

- Multi-Band Coverage
- 500 W Avg. Power Rating
- 3 kV High Voltage Rating
- Minimal RF Insertion Loss
- Very Low Passive IM
- RoHS Compliant
- High Reliability
- N male/female connector

### Technical Specifications

Product Type	DC Block
Techn. Application	Outdoor
Frequency Range, MHz	380 - 2700
Number of Input Ports	1
Number of Output Ports	1
Connectors	N
Input Connector Type	N male
Output Connector Type	N female
Impedance, Ohm	50
Insertion Loss max., dB	0.12@380 - 800 MHz 0.08@800 - 2700 MHz
Max VSWR/R L, dB	1.3/17.7
VSWR comment	1.3/17.7@380 - 800 MHz 1.2/20.8@800 - 2700 MHz
Intermodulation (IM3)	150 dBc with 2x43 dBm tones
Avg. RF Power, W	500
Max. RF Power, W	10000
Max. DC Blocking Voltage, kV	3
Temperature Range, °C (°F)	-35 to 75 (-31 to 167 )
Diameter, mm(in)	15.9 (0.63)
Weight, kg (lb)	0.65 (1.43)
Environmental Class	IP 65

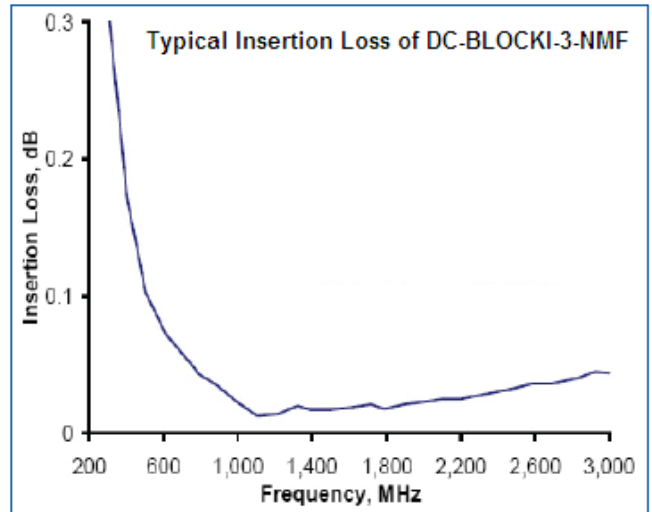
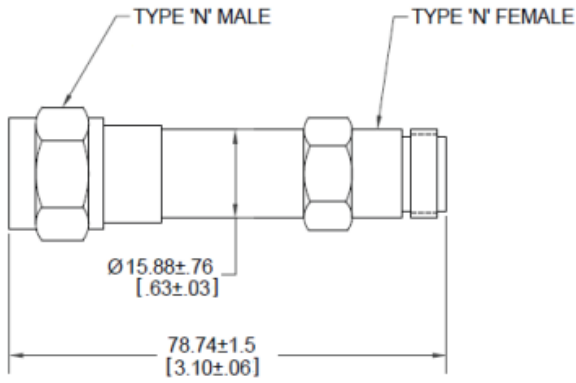
### Notes

### Other Documentation

All information contained in the present datasheet is subject to confirmation at time of ordering



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