

### BCN-MF-6

#### DC blocking coaxial protection

To protect low power RF equipment like wireless access points and cellular modems with external antennas, normal gas discharge tube (GDT) based SPDs may not have a sufficiently low let through voltage to provide complete protection. The Novaris BCN-MF-6 is a blocking unit that will block frequencies from DC up to several tens of megahertz. This will successfully block lightning impulses. The BCN-MF-6 may be used alone or following a GDT based SPD in areas of high lightning activity.

From 100MHz up to 6GHz the insertion loss of the BCN-MF-6 is less than 0.5dB and the return loss greater than 20dB. It therefore has almost negligible effect on the performance of the protected equipment.

#### Installation

The BCN-MF-6 can be connected to the equipment antenna port and the antenna reconnected to the BCN-MF-6. Because this is a blocking unit it does not require external earthing - it is simply installed in line.

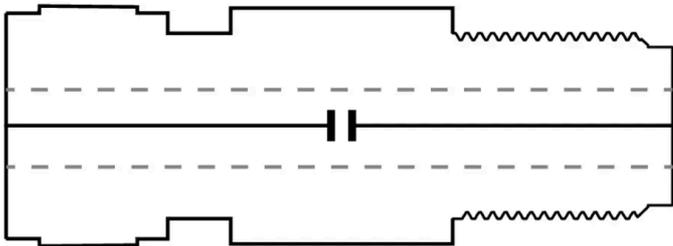
#### Premium All-Metal Enclosure

CNC machined brass and high gloss nickel plating is utilized for the body of the product. This provides excellent durability and high frequency characteristics.

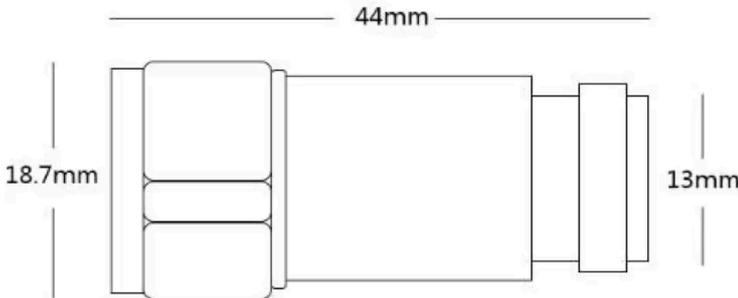


Image for illustrative purposes only

### Wiring



### Dimensions



## Product Datasheet

### Electrical Specifications

Connection type		Series
Modes of protection		Blocking
Blocking Voltage		200VDC
Maximum working frequency		6GHz
Minimum Frequency		100MHz
Overstressed fault mode		Mode 1
Characteristic impedance		50Ω
VSWR		<1.2:1
Return loss		>20dB
Insertion loss		<0.5dB

### Mechanical Specifications

Connection type		N-Type
Connection orientation		M/F
Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Inline
Environmental rating		IP55
Enclosure material		Brass
Enclosure finish		Nickel Plated
Length		44mm
Width		19mm
Height		13mm
Dimensional tolerance		1mm

### Shipping Specifications

Weight		480g
Customs tariff		85363000

### Other Specifications

Product Code		BCN-MF-6
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