RF DC Block Protector, 2.00 – 6.00 GHz, Type N F-M, 10W, IP67

DCB-WFI-NFM

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N Female Connector on Surge and N Male Connector Protected Side

The DCB series surge arrestor is a RF broadband device designed for surge and lightning protection applications where DC Block is required. A DC Blocking device with its internal series capacitor circuit. This DCB unit offers excellent surge / lightning suppression for telecommunications systems.

The DCB series demonstrates excellent RF characteristics while offering outstanding surge protection.

FEATURES:

- Broad Band Design
- Excellent Insertion Loss and Return Loss Characteristics Over Frequency Range
- DC Block
- Multi-Strike Capability
- Max Surge Current of 20kA
- Max Power 10W
- RoHS & CE Compliant
- Bulkhead Mounting (Hex Nut. Lock Washer and O-Ring Included)
- IP67 Rated

APPLICATIONS:

- Wi-Fi
- 4G/5G Cellular Systems
- Other Wireless Applications that Require DC Block to Equipment

RF Specifications	
Impedance	50 Ω
Frequency	2.00 – 6.00 GHz
VSWR/Return Loss (Over Frequency)	≤1.25 Max / 19.1 dB
Insertion Loss (Over Frequency)	≤0.2dB Max.
Maximum RF Power	10 Watts

Transient Specifications	
Protection Circuit	DC Block
Surge Current	IEC 61000-4-5 8/20µs Waveform
Maximum Surge	20 kA (1x)
Multi-Strike	10 kA Multiple (10x)
Let-Through Energy	≤10µJ ±20% @ 20kA 8/20µs Waveform
Let-Through Voltage	≤10VDC ±20% @20kA 8/20µs Waveform

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Mechanical / Environmental Specifications

Storage / Operational Temp	-50ºC to +85ºC
Ingress Protection	IP67 IEC 60529
Bellcore	TA-NWT-000487
Weight	5.2 oz (147.4 g)
RoHS Compliant	Yes
CE	Yes

Material & Finish Specifications

Component	Material	Finish
Outer Parts	Aluminum	Ball Burnish
Connectors	Brass	Tri-Metal
Coupling Nut & Washer	SST	---
Center Contact	Be Cu / Brass	Gold
Insulator	PTFE	---

Mechanical Outlines