

EBLOK-00005



Wide Band dc Block, 100–6000 MHz, with interface types N Female and N Male

Product Classification

Product Type dc Block

General Specifications

Body Style Straight

Inner Contact Plating Silver

Interface N Female

Interface 2 N Male

Outer Contact Plating Silver

Pressurizable No

Dimensions

Height 38.1 mm | 1.5 in

Width 38.1 mm | 1.5 in

Length 78.74 mm | 3.1 in

Electrical Specifications

3rd Order IMD -87 dBm

3rd Order IMD Test Method Two +43 dBm carriers

Insertion Loss, typical 0.1 dB

Cable Impedance 50 ohm

CW Power 200 W

dc Test Voltage 3000 V

Operating Frequency Band 100 – 6000 MHz

Voltage Rating 1000 V

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VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
100–1500 MHz	1.06	30.72
1500–4000 MHz	1.16	22.61
4000–6000 MHz	1.22	20.08

Mechanical Specifications

Attachment Durability	25 cycles
Coupling Nut Proof Torque	1 N-m 8.851 in lb
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5

Environmental Specifications

Operating Temperature	-40 °C to +55 °C (-40 °F to +131 °F)
Storage Temperature	-40 °C to +55 °C (-40 °F to +131 °F)
Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Corrosion Test Method	IEC 60068-2-11
Water Jetting Test Mating	Mated
Water Jetting Test Method	IEC 60529:2001, IP40

Packaging and Weights

Weight, net	0.299 kg 0.66 lb
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Insertion Loss, typical	0.05v ⁻ freq (GHz) (not applicable for elliptical waveguide)
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