

DC BLOCK, 50 Ohm, N

1100.17.A

Properties

- RF signal passes with negligible loss
- Galvanic isolation of centre conductor
- Blocking of DC
- Broadband



Material data	
Interface side 1	N / plug (male)
Standard side 1	IEC 60169-16_MIL-STD-348A/304_CECC 22210
Center contact, material / plating	Brass / Gold Plating (without Nickel underplating)
Outer contact, material / plating	Brass / Silver / SUCOPLATE (R) Plating
Body, material / plating	Brass / SUCOPLATE (R) Plating
Insulator, material	PFA / PTFE
Coupling nut, material / plating	Brass / SUCOPLATE (R) Plating
Gasket material	VMQ (Silicone rubber)
Interface side 2	N / jack (female)
Standard side 2	IEC 60169-16_MIL-STD-348A/304_CECC 22210
Outer contact, material / plating	Brass / SUCOPLATE (R) Plating
Body, material / plating	Brass / SUCOPLATE (R) Plating
Insulator, material	PFA / PTFE

Electrical data	
Impedance	50 Ω
Frequency frame	0.01 GHz to 5 GHz
Return loss typical	20 dB
Insertion loss typical	0.5 dB
Attenuation nominal	17 dB typ. at 0.1 MHz
	37 dB typ. at 0.01 MHz
	57 dB typ. at 0.001 MHz
Capacitance	2.1 nF
Voltage rating max	250 V DC

Electrical bands			
	Band 1	Band 2	Band 3
Frequency range	0.001 GHz ... 1 GHz	1 GHz ... 2 GHz	2 GHz ... 5 GHz
Return loss	26.44 dB	23.12 dB	17.69 dB

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Electrical bands			
	Band 1	Band 2	Band 3
Insertion loss	0.1 dB	0.2 dB	0.5 dB
VSWR max side 1	1.1	1.15	1.3

Electrical remarks	
Power rating	100 W at 25 °C ambient temperature. Linearly derated to 40 W at 85 °C ambient temperature.
Block type	inner only

Mechanical data	
Weight	0.068 kg

Environmental data	
Operation temperature	-40 °C ... 85 °C

Ordering Information Table	
Item number	Item description
22550232	1100.17.A

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