DATA SHEET

DC Block, Low Power, Low Voltage

1100.01.A

Properties

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

Interface and material data	
Interface side 1	BNC / plug (male)
Standard side 1	IEC 60169-8_MIL-STD-348A/301_CECC 22120
Center contact, material / plating	Brass / Gold Plating (without Nickel underplating)
Outer contact, material / plating	Brass / 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	BNC / jack (female)
Standard side 2	IEC 60169-8_MIL-STD-348A/301_CECC 22120
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			
Frequency range	0.01 GHz ... 0.7 GHz	0.7 GHz ... 2 GHz	2 GHz ... 5 GHz
Return loss typical	26.4 dB	23.12 dB	17.69 dB
Insertion loss	0.1 dB	0.2 dB	0.5 dB

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Electrical bands			
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	0.025 kg

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

DOCUMENT PIM-P45470 / Date of publication: 31.10.2024 / uncontrolled copy