

DC BLOCK, 50 Ohm, SMA

1100.19.0001

Properties

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



Interface and material data	
Interface side 1	SMA / plug (male)
Standard side 1	IEC 60169-15_MIL-STD-348A/310_CECC 22110
Center contact, material / plating	Brass / Gold Plating
Outer contact, material / plating	Stainless Steel / Passivated (Plating)
Body, material / plating	Stainless Steel / Passivated (Plating)
Insulator, material	PFA / PTFE
Coupling nut, material / plating	Stainless Steel / Passivated (Plating)
Gasket material	VMQ (Silicone rubber)
Interface side 2	SMA / jack (female)
Standard side 2	IEC 60169-15_MIL-STD-348A/310_CECC 22110
Outer contact, material / plating	Stainless Steel / Passivated (Plating)
Body, material / plating	Stainless Steel / Passivated (Plating)

Electrical data	
Impedance	50 Ω
Frequency frame	0.01 GHz to 18 GHz
Return loss typical	16.54 dB
Insertion loss typical	0.5 dB
Attenuation nominal	0.1 dB typ. at 23 MHz
	0.5 dB typ. at 10 MHz
	3 dB typ. at 4 MHz
Capacitance	470 nF
Voltage rating max	200 V DC

Electrical bands			
	Band 1	Band 2	Band 3
Frequency range	0.01 GHz ... 0.2 GHz	0.2 GHz ... 3 GHz	3 MHz ... 18 MHz
Return loss typical	16.54 dB	19.08 dB	16.54 dB
Insertion loss	0.5 dB	0.5 dB	0.5 dB

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Electrical bands			
	Band 1	Band 2	Band 3
VSWR max side 1	1.35	1.25	1.35

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

Mechanical data	
Weight	0.0042 kg

Environmental data	
Operation temperature	-65 °C ... 125 °C
Ingress protection (IP Rating)	IP54

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
84107082	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Ordering Information Table	
Item number	Item description
84107082	1100.19.0001

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