

**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**

<b>Interface side 1</b>	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)
<b>Interface side 2</b>	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 $\Omega$
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**

	<b>Band 1</b>	<b>Band 2</b>	<b>Band 3</b>
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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<b>Electrical bands</b>			
	<b>Band 1</b>	<b>Band 2</b>	<b>Band 3</b>
VSWR max side 1	1.35	1.25	1.35

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

<b>Mechanical data</b>	
Weight	0.0042 kg

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

<b>Ordering Information Table</b>	
Item number	Item description
84107082	1100.19.0001

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