

RESISTIVE POWER DIVIDER, 50 Ohm, SMA

4901.19.A

Properties

- Very low return loss
- Broadband down to DC
- Effective solution to tap off a signal



Interface and material data			
Interface side 1	SMA / jack (female)		
Standard side 1	IEC 60169-15_MIL-STD-348A/310_CECC 22110		
Center contact, material / plating	Copper Beryllium Alloy / Gold Plating (Nickel underplated)		
Outer contact, material / plating	Stainless Steel		
Body, material / plating	Brass / SUCOPLATE (R) Plating		
Insulator, material	PFA / PTFE		
Interface side 2	SMA / jack (female)		
Standard side 2	IEC 60169-15_MIL-STD-348A/310_CECC 22110		
Center contact, material / plating	Copper Beryllium Alloy / Gold Plating (Nickel underplated)		
Outer contact, material / plating	Stainless Steel		
Body, material / plating	Brass / SUCOPLATE (R) Plating		
Insulator, material	PFA / PTFE		
Interface side 3	SMA / jack (female)		
Standard side 3	IEC 60169-15_MIL-STD-348A/310_CECC 22110		
Center contact, material / plating	Copper Beryllium Alloy / Gold Plating (Nickel underplated)		
Outer contact, material / plating	Stainless Steel		
Body, material / plating	Brass / SUCOPLATE (R) Plating		
Insulator, material	PFA / PTFE		
Electrical data			
Impedance	50 Ω		
Frequency frame	0 GHz to 12.4 GHz		
Return loss typical	20.8 dB		
Insertion loss typical	6 dB		
Electrical bands			
	Band 1	Band 2	Band 3
Frequency range	0 GHz ... 2 GHz	2 GHz ... 5 GHz	5 GHz ... 12.4 GHz

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Electrical bands			
	Band 1	Band 2	Band 3
Return loss typical	32.25 dB	26.44 dB	20.8 dB
VSWR max side 1	1.05	1.1	1.2
Amplitude tracking max	0.15 dB	0.2 dB	0.5 dB
Phase tracking max			6 °

Electrical remarks	
Power rating	0.5 W at 70 °C ambient temperature. Linearly derated to 0 W at 130 °C ambient temperature.
Electrical remarks	Isolation: 6 dB nominal between two ports

Mechanical data	
Weight	0.059 kg

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22641657	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
22641657	4901.19.A

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