

RESISTIVE POWER DIVIDER, 50 Ohm, N
4901.17.A

Properties

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



Interface and material data	
Interface side 1	N / jack (female)
Standard side 1	IEC 60169-16_MIL-STD-348A/304_CECC 22210
Center contact, material / plating	Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
Outer contact, material / plating	Brass / SUCOPLATE (R) Plating
Body, material / plating	Brass / SUCOPLATE (R) Plating
Insulator, material	PFA / PTFE
Interface side 2	N / jack (female)
Standard side 2	IEC 60169-16_MIL-STD-348A/304_CECC 22210
Center contact, material / plating	Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
Outer contact, material / plating	Brass / SUCOPLATE (R) Plating
Body, material / plating	Brass / SUCOPLATE (R) Plating
Insulator, material	PFA / PTFE
Interface side 3	N / jack (female)
Standard side 3	IEC 60169-16_MIL-STD-348A/304_CECC 22210
Center contact, material / plating	Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
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 GHz to 2 GHz
Return loss typical	23.12 dB
Insertion loss typical	6 dB

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Electrical bands			
	Band 1	Band 2	Band 3
Frequency range	0 GHz ... 0.5 MHz	0.5 GHz ... 1 GHz	1 GHz ... 2 GHz
Return loss typical	32.25 dB	29.41 dB	23.12 dB
VSWR max side 1	1.05	1.07	1.15
Amplitude tracking max	0.1 dB	0.2 dB	0.3 dB
Phase tracking max			3 °

Electrical remarks	
Power rating	1 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	0.1074 kg

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22550252	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
22550252	4901.17.A

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DOCUMENT PIM-P1892 / Date of publication: 28.02.2025 / uncontrolled copy