

**RESISTIVE POWER DIVIDER, 50 Ohm, N**

4901.17.B

**Properties**

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



<b>Material data</b>	
<b>Interface side 1</b>	N / plug (male)
Standard side 1	IEC 60169-16_MIL-STD-348A/304_CECC 22210
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
<b>Interface side 2</b>	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
<b>Interface side 3</b>	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
<b>Electrical data</b>	
Impedance	50 $\Omega$
Frequency frame	0 GHz to 2 GHz
Return loss typical	23.12 dB
Insertion loss typical	6 dB

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<b>Electrical bands</b>			
	<b>Band 1</b>	<b>Band 2</b>	<b>Band 3</b>
Frequency range	0 GHz ... 0.5 MHz	0.5 GHz ... 1 GHz	1 GHz ... 2 GHz
Return loss	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°	3°	3°

<b>Electrical remarks</b>	
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

<b>Mechanical data</b>	
Weight	0.065 kg

<b>Ordering Information Table</b>	
Item number	Item description
22643830	4901.17.B

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