

Resistive Power Divider RS9-544P-3G

MTS-No.: 30015

Description

The Power Dividers of this series are designed to work between DC and 3000 MHz. They cover for example radio and video broadcast, GSM, DECT, UMTS, Bluetooth and all LTE frequency bands.

These units are Resistive dividers and can also be used as combiners. The standard case can be used for divider types with up to nine outputs.



Technical data:

1 RF-specifications:

1.1	Divider type	RS9, 9-way		
1.2	Impedance	50 Ω		
1.3	Input power @ common port @ output ports 1 - 9	2.5 W max. 0.1 W max. each port		
1.4	Frequency range	DC - 3000 MHz		
1.5	VSWR in @ DC - 2000 MHz @ 2000 - 3000 MHz	min.	typ.	max.
			1.1	1.3
		1.4	1.7	
	VSWR out @ DC - 2000 MHz @ 2000 - 3000 MHz		1.3	1.5
		1.5	1.7	
1.6	Insertion loss (+19.1 dB) @ 10 MHz @ 2000 MHz @ 3000 MHz		0.0 dB	0.2 dB
			-0.6 dB	0.9 dB
			-0.9 dB	0.9 dB
1.7	IL derating / 20 MHz		-0.01 dB	
1.8	Isolation	18 dB	19 dB	
1.9	Amplitude balance		0.5 dB	1.5 dB
1.10	Phase balance		2.0°	6.0°

2 Connections:

2.1	RF-in- and outputs	10x SMA female
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3 General specifications:

3.1	Operating temperature	-40 °C - +85 °C
3.2	Reference temperature of specifications	+25 °C
3.3	Dimensions (without connections)	63 mm x 63 mm x 11.5 mm (LxWxH)
3.4	Case style	Milled aluminium enclosure
3.5	Colour	SurTec650 (Chrome alloy)
3.6	Weight	95 grams

4 Delivered parts:

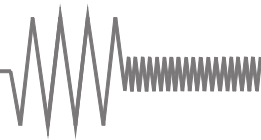
RS9-544P-3G
Datasheet

5 Comments:

Warranty	12 months
RoHS-compliant	Yes

6 Recommended accessories:

RF-cables
Attenuators series PAH



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Typical measurements:

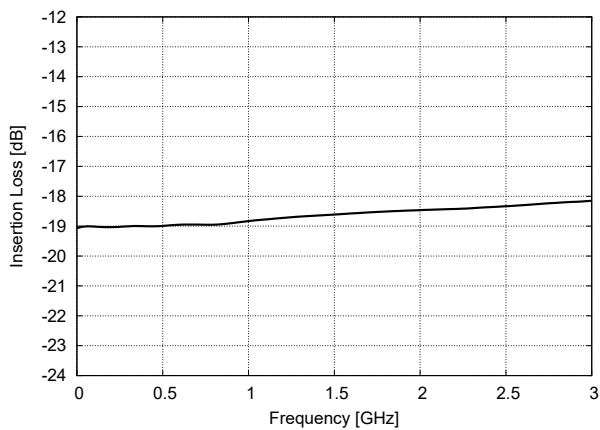


Fig. 1: Common port to output port insertion loss

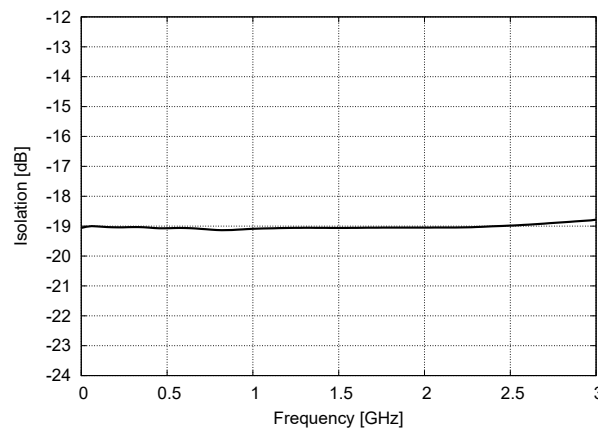


Fig. 2: Isolation between output ports

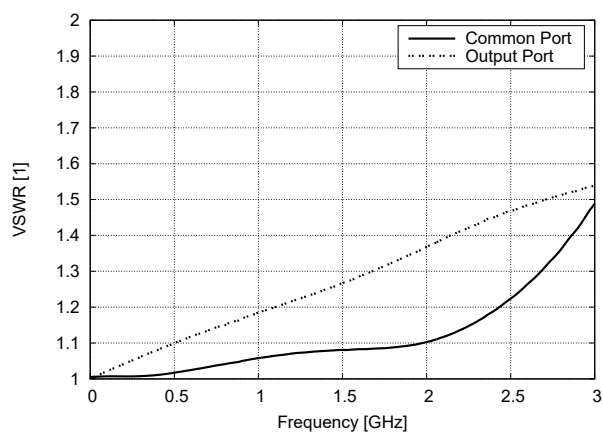


Fig. 3: VSWR for common and output ports

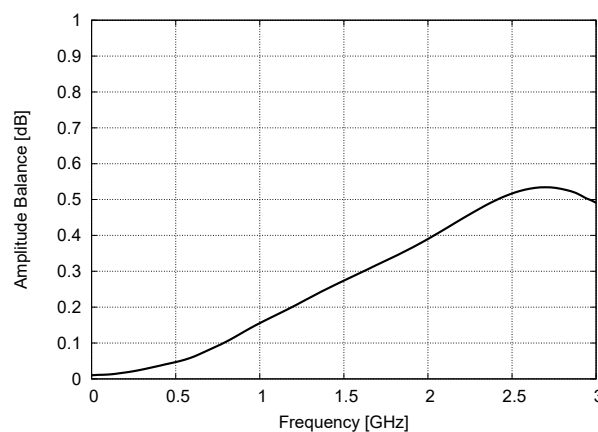


Fig. 4: Amplitude balance between output ports

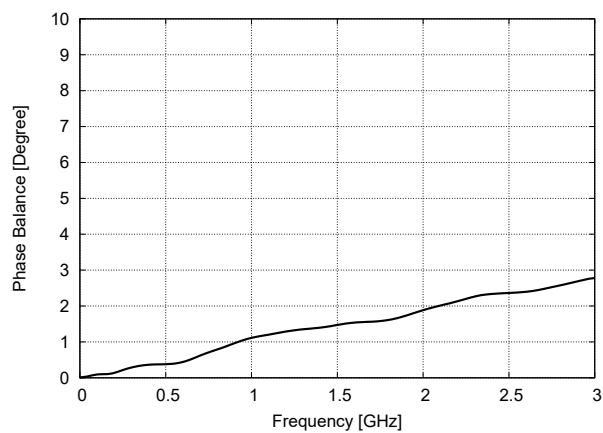


Fig. 5: Phase balance between output ports

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Views:

