

## Resistive Power Divider RS2-544P-6G

MTS-No.: 26299

### Description

The Power Dividers of this series are designed to work between DC and 6000 MHz. They cover for example radio and video broadcast, GSM, DECT, UMTS, Bluetooth, WiMAX, Wi-Fi (2.4G / 5G) and all LTE frequency bands.

These units are Resistive dividers and can also be used as combiners.



### Technical data:

#### 1 RF-specifications:

1.1	Divider type	RS2, 2-way		
1.2	Impedance	50 $\Omega$		
1.3	Input power	1 W max.		
1.4	Frequency range	DC - 6000 MHz		
1.5	VSWR	<b>min.</b>	<b>typ.</b>	<b>max.</b>
		@ DC - 4000 MHz	1.15	1.35
		@ 4000 - 6000 MHz	1.25	1.45
1.6	Insertion loss (+6 dB)	0.7 dB	1.5 dB	
1.7	Isolation	5.9 dB	6.7 dB	
1.8	Amplitude balance		0.1 dB	0.2 dB
1.9	Phase balance		0.5°	2.0°

#### 2 Connections:

2.1	RF-in- and outputs	3x 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)	30 mm x 32 mm x 22 mm (LxWxH)
3.4	Case style	Milled aluminium enclosure
3.5	Colour	SurTec650 (Chrome alloy)
3.6	Weight	65 grams

#### 4 Delivered parts:

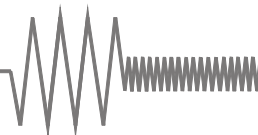
RS2-544P-6G  
Datasheet

#### 5 Comments:

Warranty	12 months
RoHS-compliant	Yes

#### 6 Recommended accessories:

RF-cables  
Attenuators series PAH



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### Typical measurements:

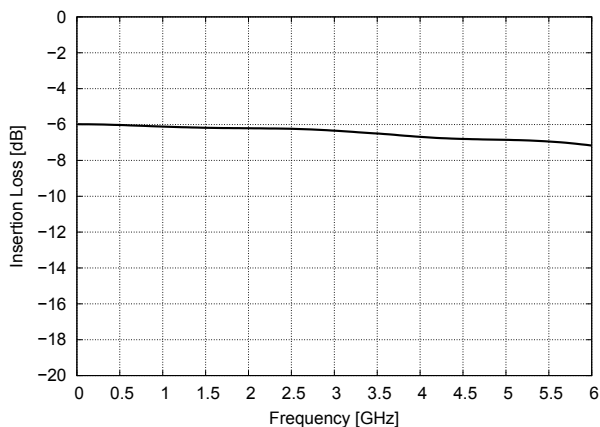


Fig. 1: Common port to output port insertion loss

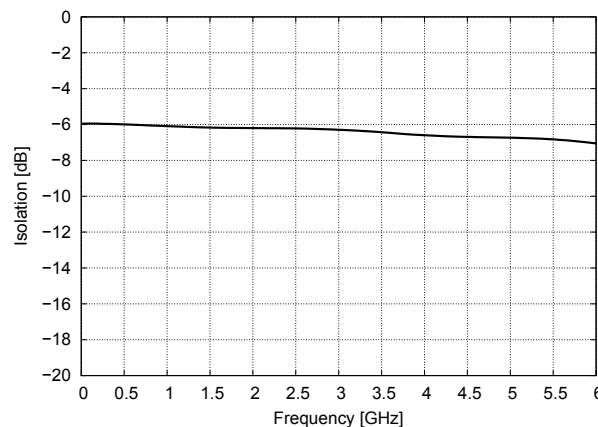


Fig. 2: Isolation between output ports

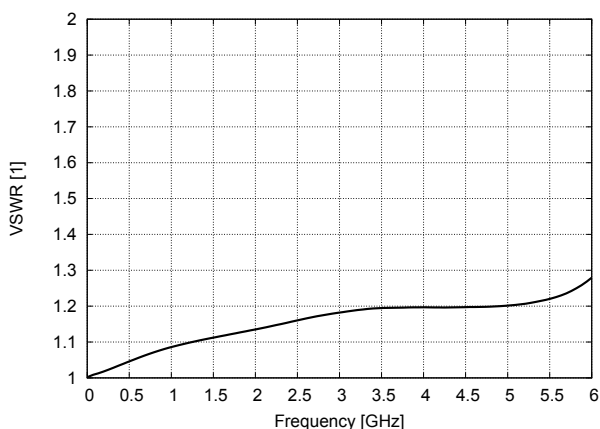


Fig. 3: VSWR at all ports

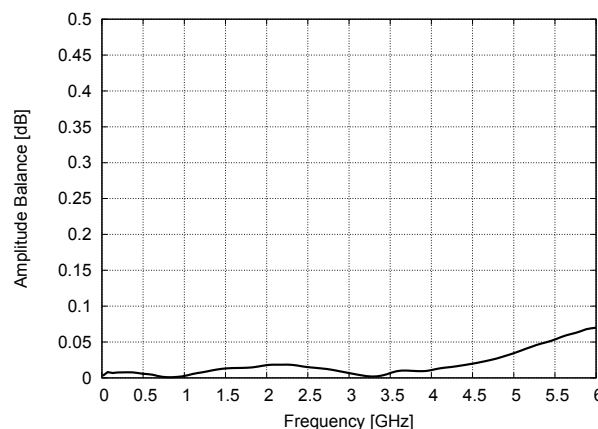


Fig. 4: Amplitude balance between output ports

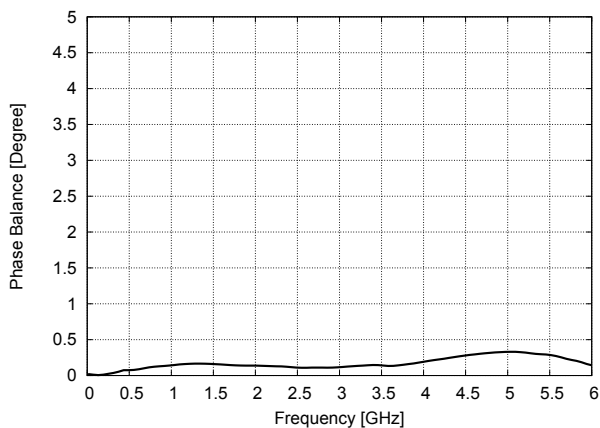


Fig. 5: Phase balance between output ports

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Views:

