

## Resistive Power Divider RS8-588P-S1

MTS-No.: 30153

### Description

The Power Dividers of this series are designed to work between DC and 600 MHz. They cover for example radio and video broadcast.

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



### Technical data:

#### 1 RF-specifications:

1.1	Divider type	RS8, 8-way		
1.2	Impedance	50 $\Omega$		
1.3	Input power	2.5 W max.		
	@ common port	0.1 W max. each port		
	@ output ports 1 - 8			
1.4	Frequency range	DC - 600 MHz		
		<b>min.</b>	<b>typ.</b>	<b>max.</b>
1.5	VSWR in		1.05	1.2
	VSWR out		1.15	1.3
1.6	Insertion loss (+18.0 dB)			
	@ 1 MHz		0.0 dB	0.2 dB
	@ 600 MHz		-0.3 dB	0.5 dB
1.7	IL derating / 20 MHz		-0.01 dB	
1.8	Isolation	17.5 dB	18.0 dB	
1.9	Amplitude balance		0.2 dB	0.5 dB
1.10	Phase balance		0.5°	2.0°

#### 2 Connections:

2.1	RF-in- and outputs	9x N 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)	100 mm x 60 mm x 22 mm (LxWxH)
3.4	Case style	Milled aluminium enclosure
3.5	Colour	SurTec650 (Chrome alloy)
3.6	Weight	395 grams

#### 4 Delivered parts:

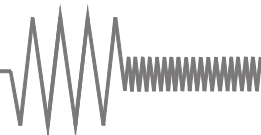
RS8-588P-S1  
Datasheet

#### 5 Comments:

Warranty	12 months
RoHS-compliant	Yes

#### 6 Recommended accessories:

RF-cables  
Attenuators series PAH



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## Typical measurements:

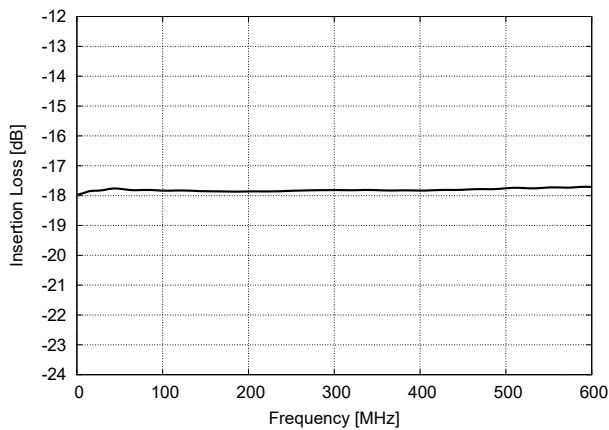


Fig. 1: Common port to output port insertion loss

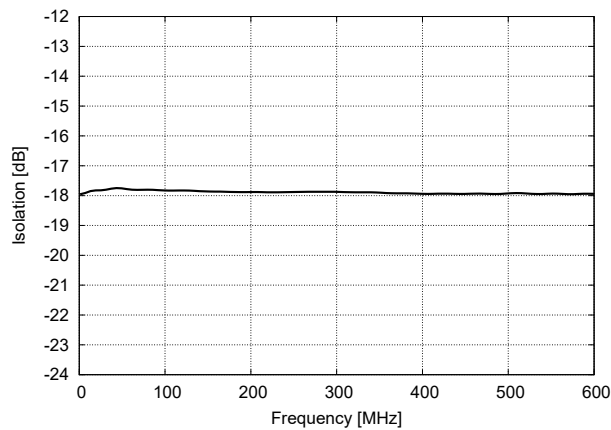


Fig. 2: Isolation between output ports

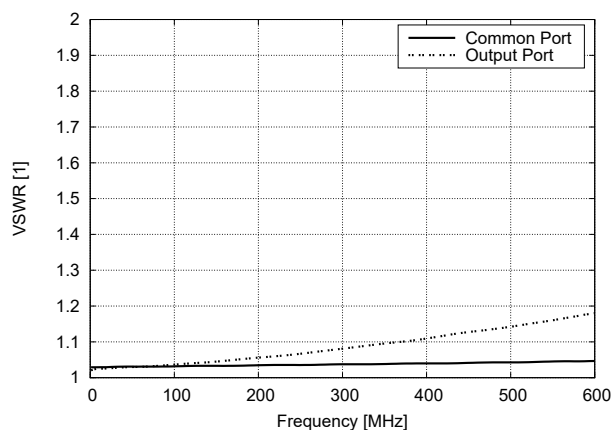


Fig. 3: VSWR for common and output ports

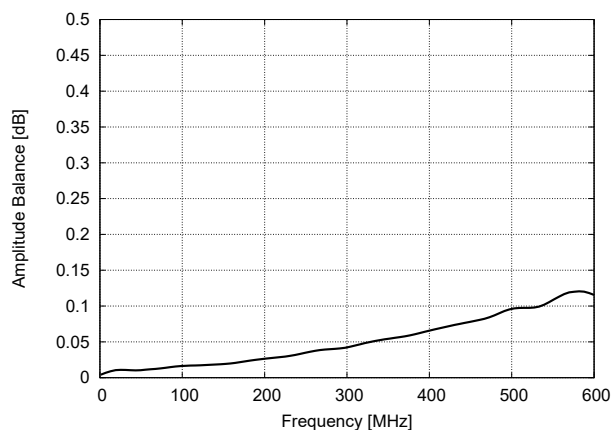


Fig. 4: Amplitude balance between output ports

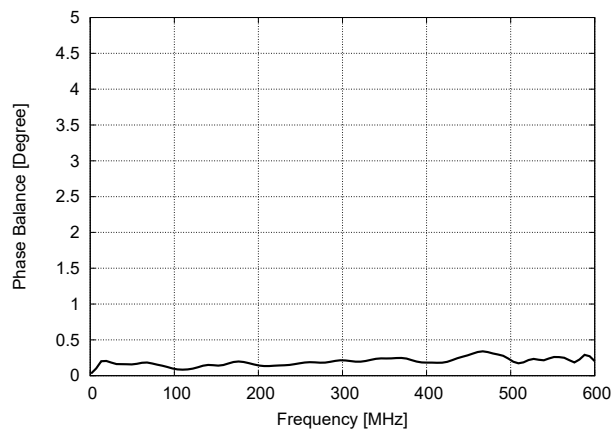


Fig. 5: Phase balance between output ports

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Views:

