

Resistive Power Divider 2-way SMA Female from DC to 6 GHz

2-way SMA Resistive Power Divider from DC to 6 GHz

R-2060

Description

Model R-2060 from Werbel Microwave is a wideband 2-way in-line resistive power splitter covering the continuous bandwidth of DC to 6 GHz in a compact enclosure measuring 2.25 x 1.00 x 0.38 inches. The device is RoHS compliant.



Image is representative.

Specification	Min	Typ.	Max	Units
Frequency	DC**		6	GHz
Impedance		50		Ohm
VSWR (common port)		1.37	1.50	:1
VSWR (split ports)		1.23	1.50	:1
Insertion Loss Measured at Highest Frequency (Above theoretical 6dB splitting loss)		0.5	1.0	dB
Isolation	6.0	7.2		dB
Amplitude Balance		0.08	0.5	dB
Phase Balance		0.5	4	Degrees
Input Power (CW) ¹			0.5	Watts (CW)

Mechanical

Connector Interface	SMA-Female
Operating Temperature ²	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Weight Estimate	1.5 oz (43 g)
Humidity	10-90% non-condensing
Environment	Indoors Use Only

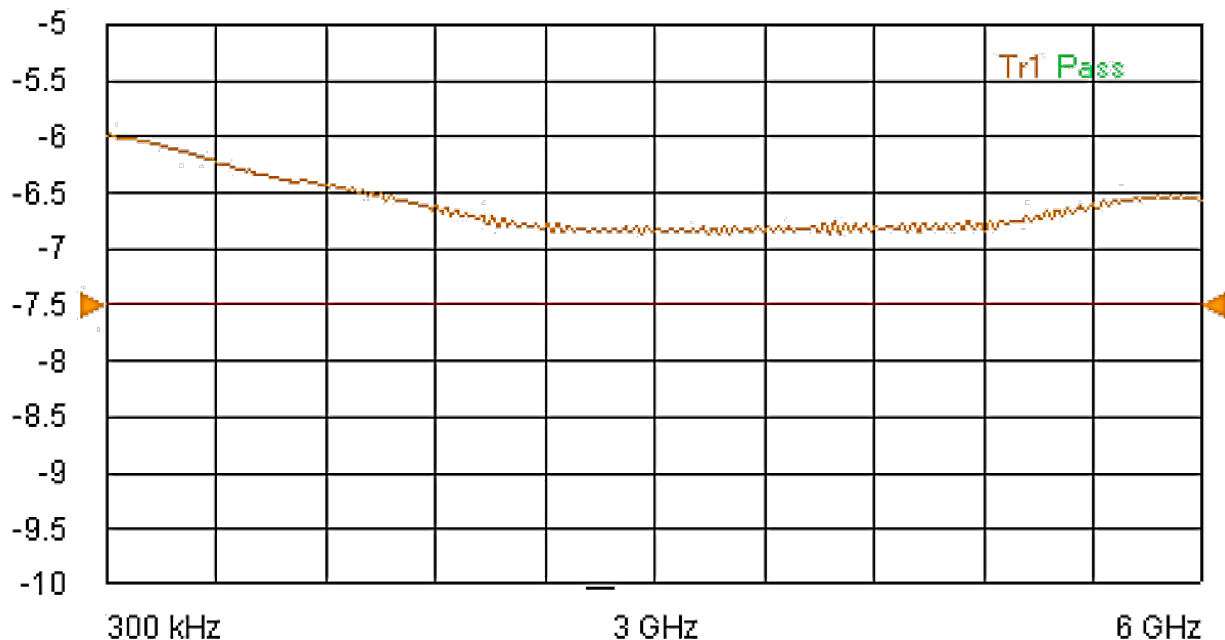
Materials

RoHS Compliant ³	Yes
REACH Compliant ³	Yes
Enclosure	Aluminum
Connectors	Stainless Steel
Contacts	Be Cu, Gold Plated
Insulators	PTFE
Finish	Gray

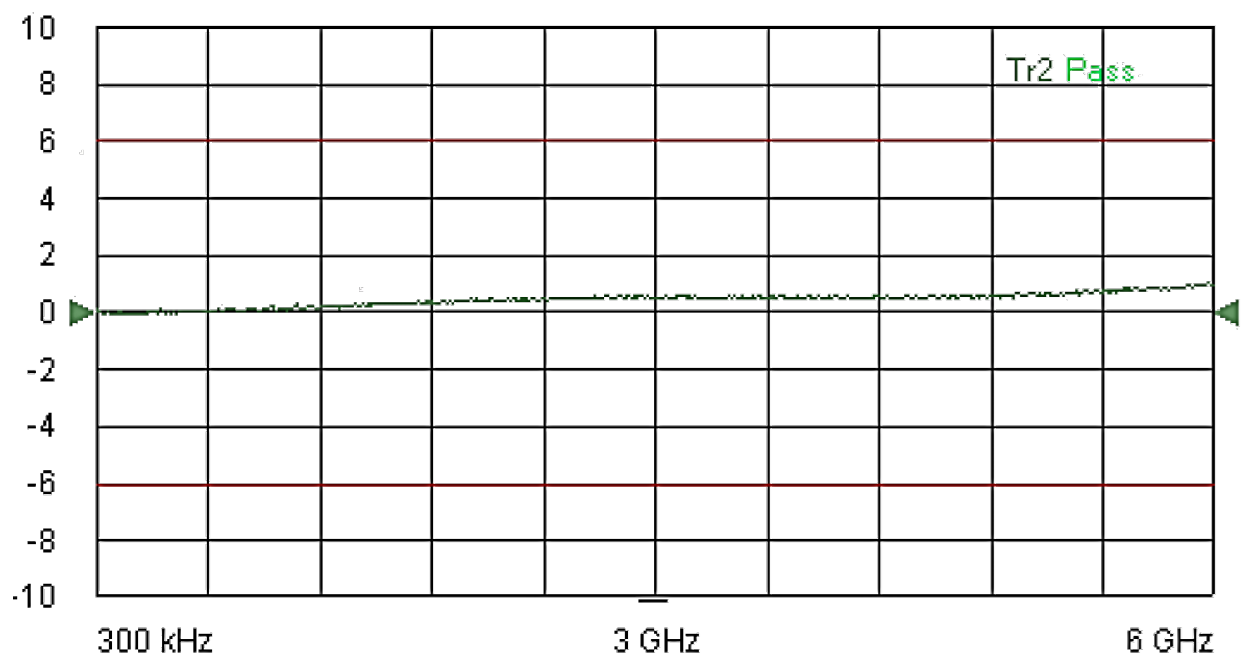
1. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
2. Electrical specifications at +25 °C only.
3. To the best of our knowledge at time of publication.

Typical Performance at +25 °C

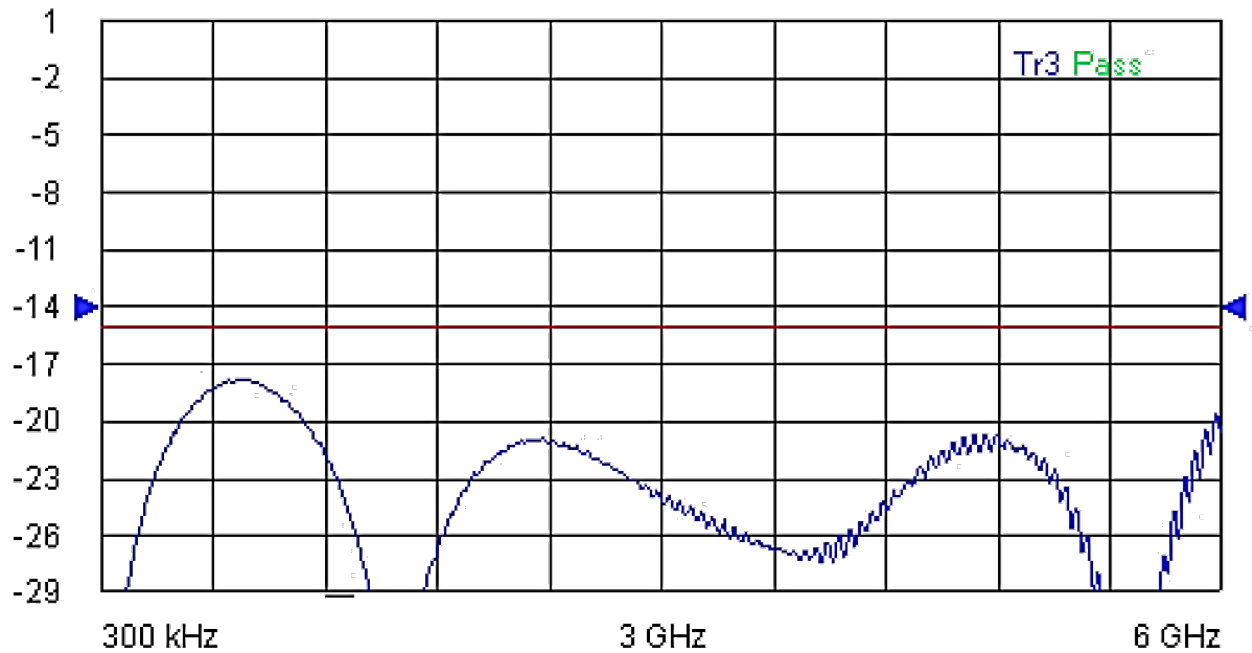
Insertion Loss



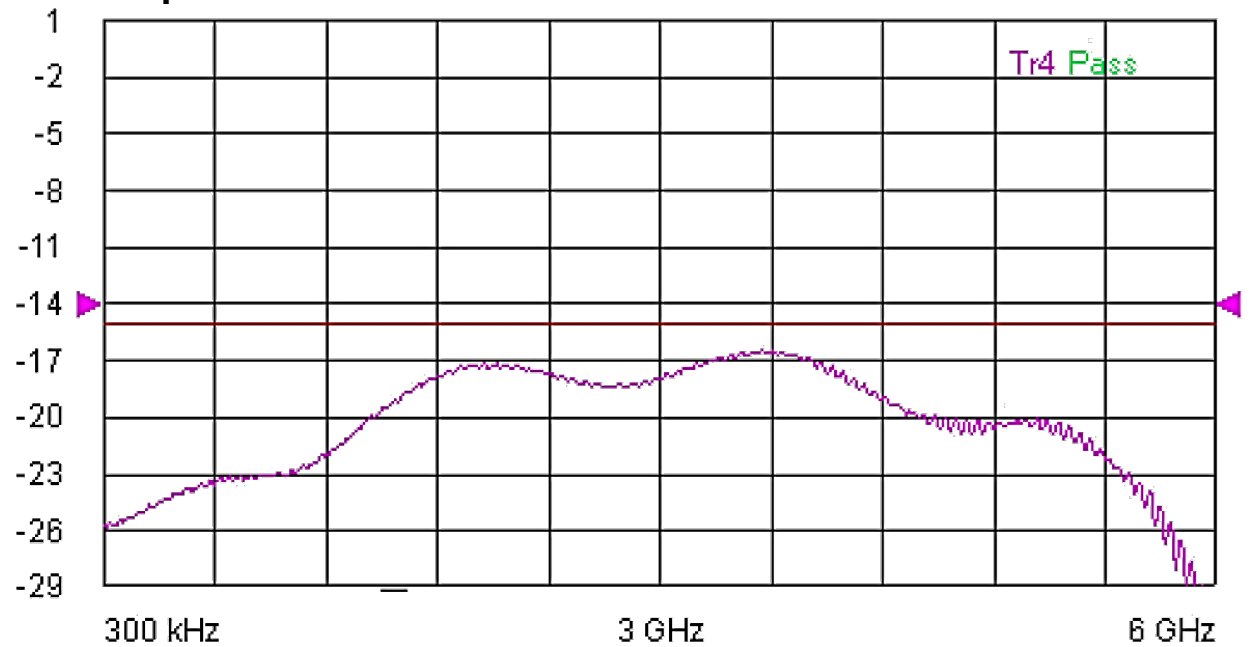
Phase



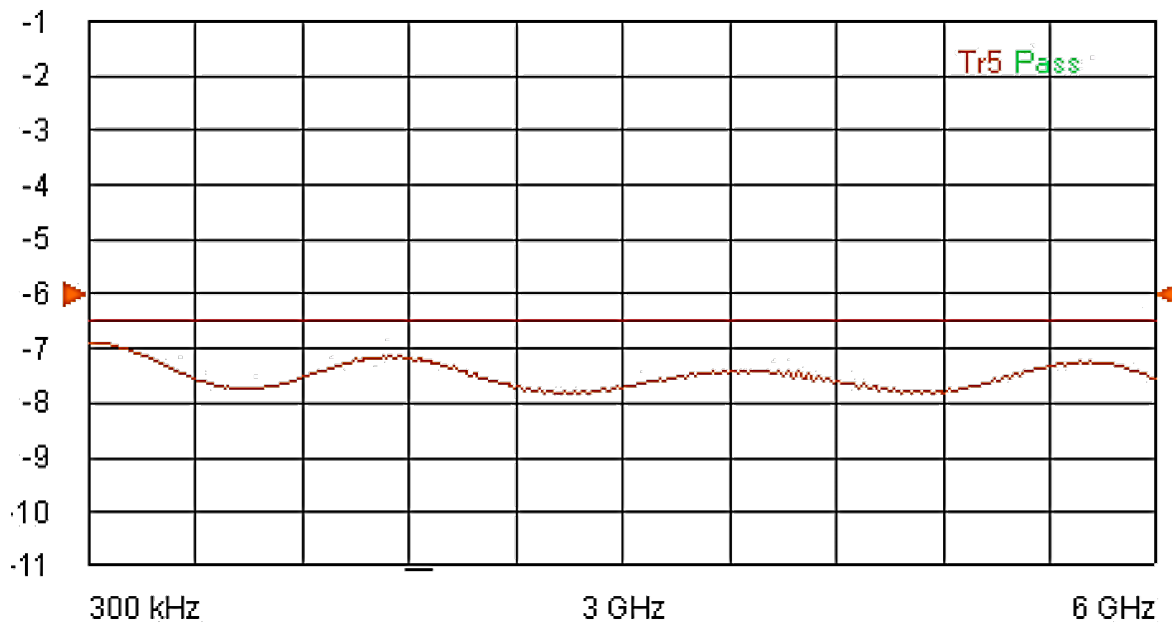
Return Loss Input



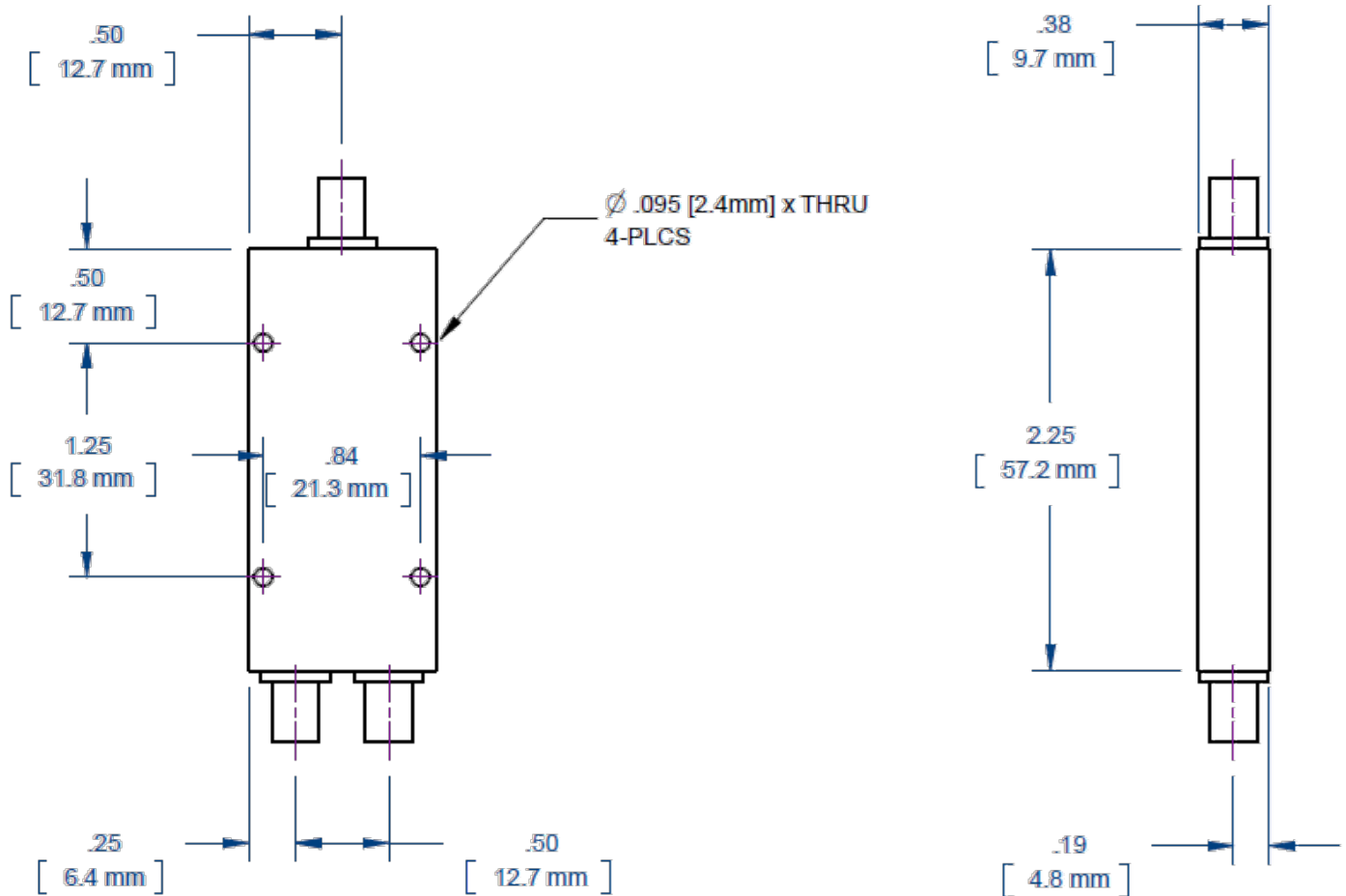
Return Loss Output



Isolation



Outline Dimensions



Outline drawing: OL-2182

Dimensions are in inches, [mm] shown for convenience.

Tolerances on 2-pl decimals: $\pm .03$. 3-pl decimals: $\pm .015$.

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