APTPD-8-00600740-SMA

Wideband Single-Sided Power Divider 8-way SMA Female 600 MHz to 7400 MHz

8-way SMA Power Divider 600 MHz to 7.4 GHz

Product Description

AmpliTech offers a wide selection of High-Quality RF power dividers, featuring Wilkinson design. Model APTPC-8-00600740-SMA is an 8-way power divider that operates from 600 MHz to 7.4 GHz. This part has versatile mounting options. Thru holes allow for mounting to chassis on the board side, and threaded holes on the connector edges allow for thru panel mounting.

Specifications	Min	Typ	Max	Min
Frequency	600		7400	MHz
Impedance		50		Ohm
Return Loss (Port S)	11	16		dB
Return Loss (Ports 1-8)	13	17		dB
Insertion Loss (Above theoretical 6 dB)		2.4	3.6	dB
Isolation	18	20		dB
Amplitude Balance		0.3	0.8	dB
Phase Balance		4	12	Degrees
Input Power (CW)[1]			30	Watts

Mechanical

Connector Interface	SMA-Female
Operating Temperature[2]	-10 to +65 °C
Storage Temperature	-55 to +100 °C
Weight Estimate	20 oz (567 g)
Humidity	10-90% non-condensing
Environment	Indoors Use Only

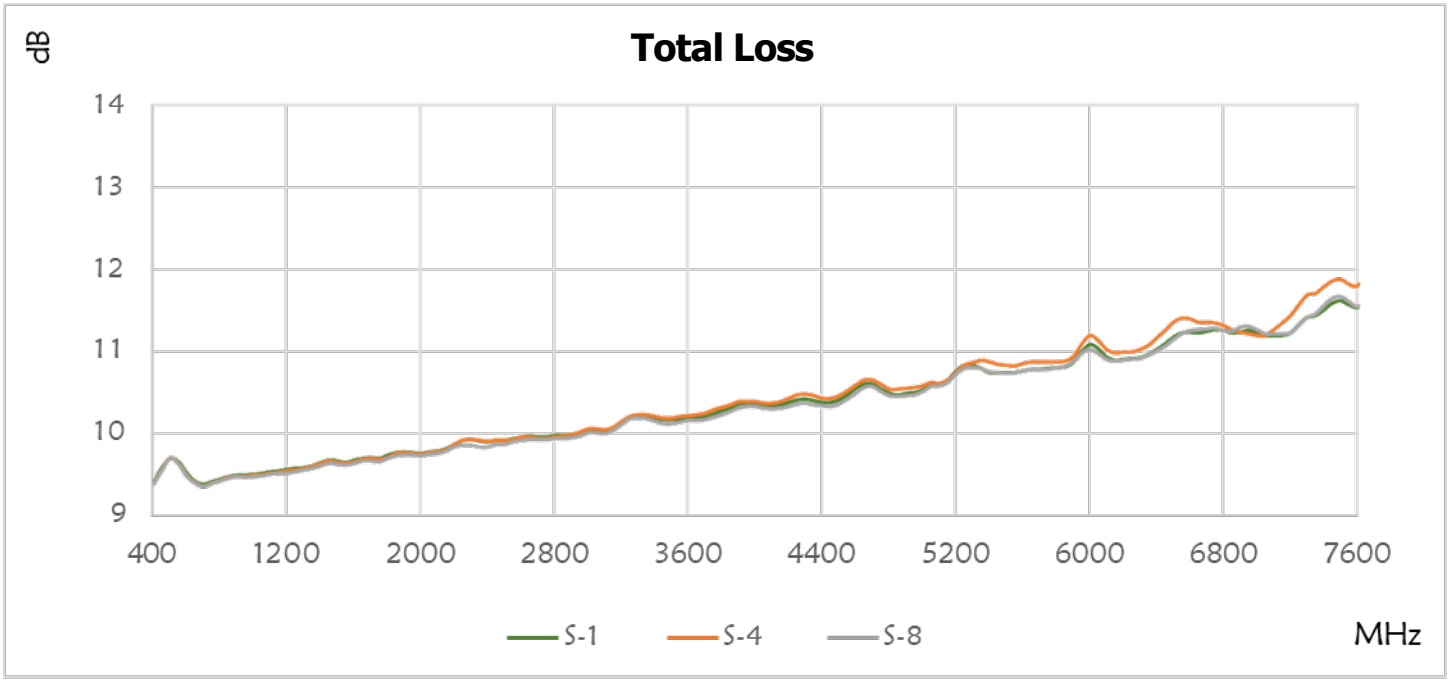
Materials

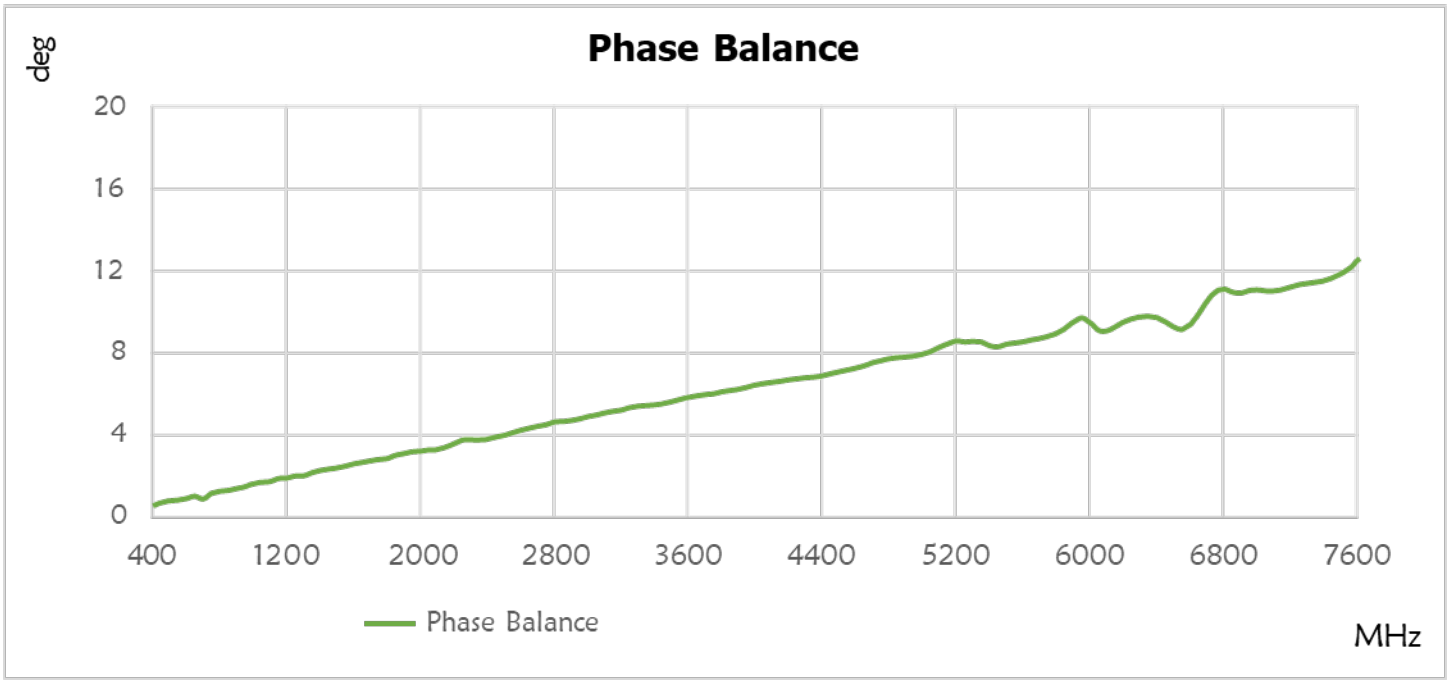
RoHS Compliant[3]	Yes
REACH Compliant[3]	Yes
Enclosure	Aluminum
Connectors	Brass, Gold Plated
Contacts	Be Cu, Gold Plated
Insulators	PTFE

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.

155 Plant Ave Hauppauge, New York 11716 • Tel: 631-521-7831 • Fax: 631-521-7871
Website: www.amplitechinc.com • Email: info@amplitechinc.com

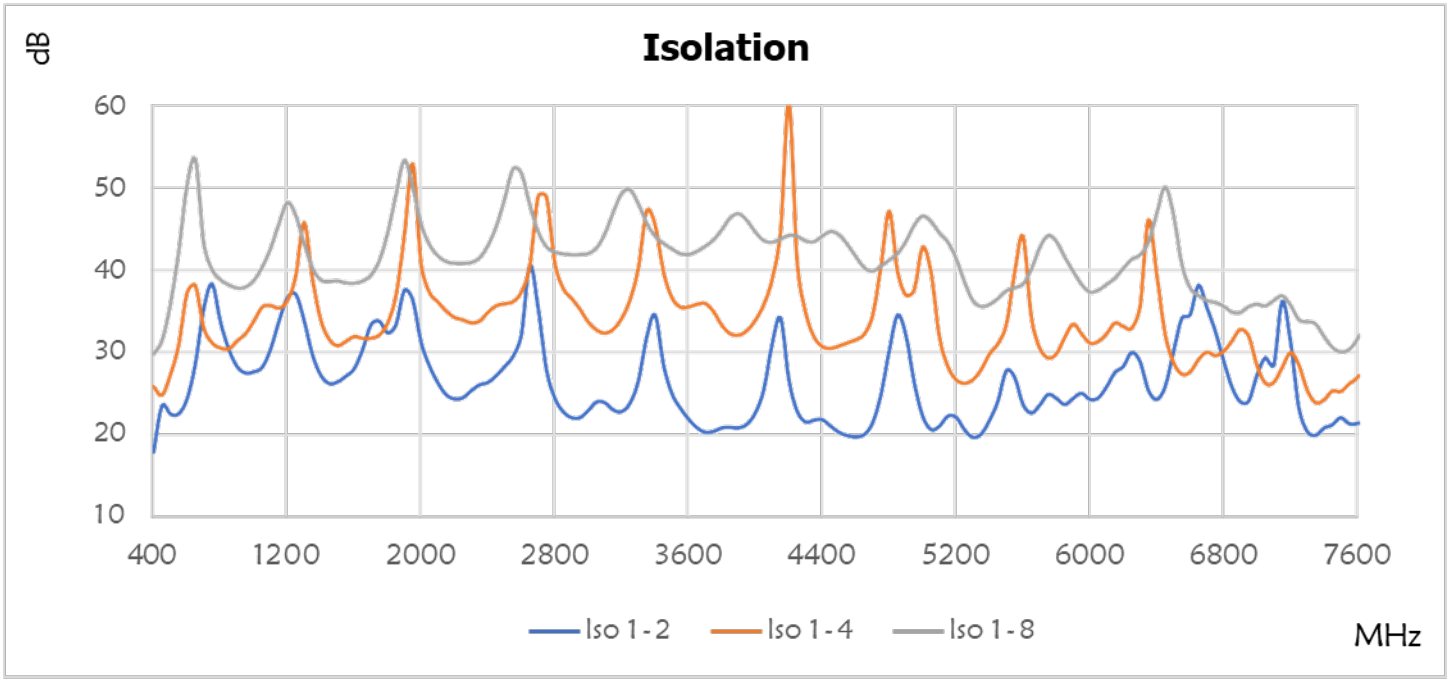
Typical Performance at +25 °C

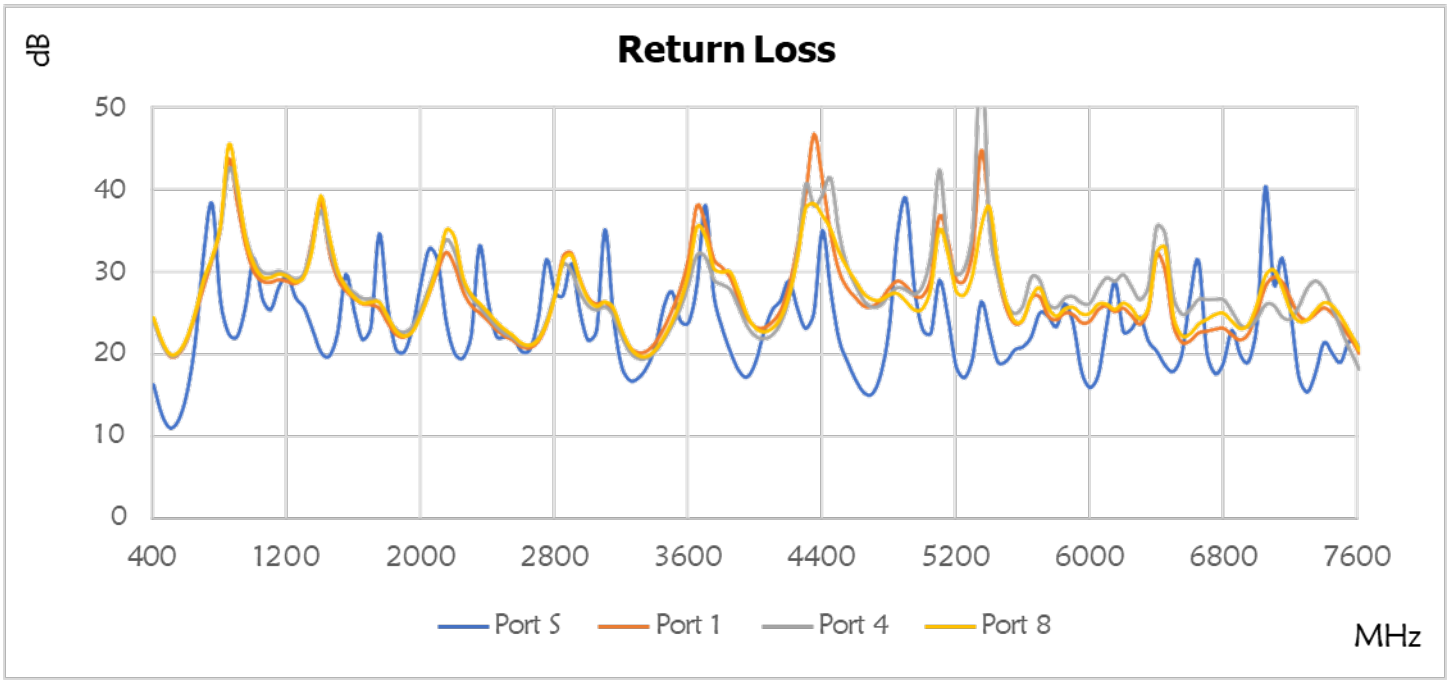




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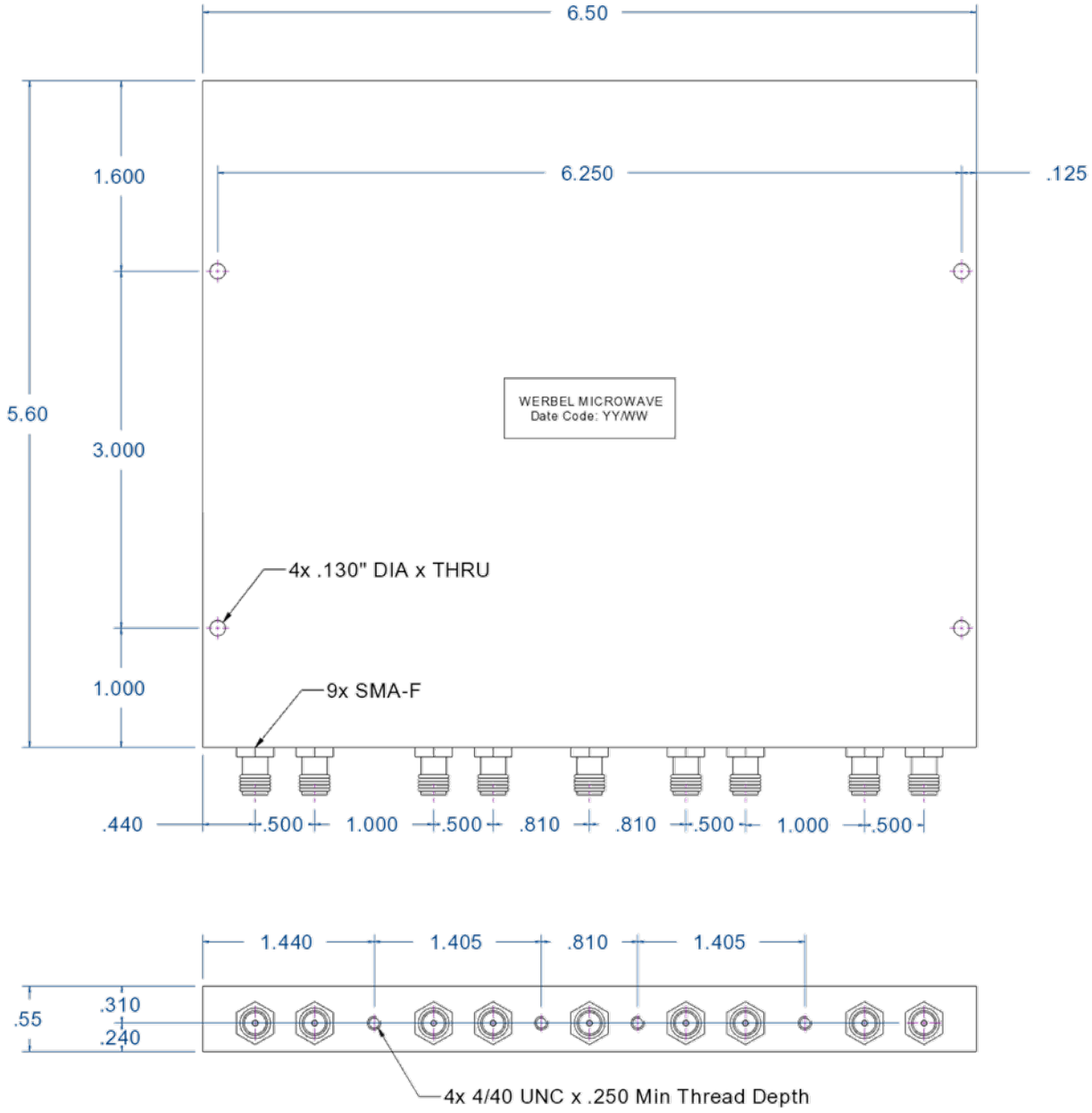
Typical Performance at +25 °C





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Outline Dimensions



Dimensions are in inches, [mm] shown for convenience.
Tolerances on 2-pl decimals: ±.03. 3-pl decimals: ± .015.

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