

Power Divider 16-way BNC Female 700 MHz to 4 GHz

16-way BNC Power Divider 700 MHz to 4 GHz

Product Description

AmpliTech offers a wide selection of High-Quality RF power dividers, featuring Wilkinson design. Model ATPD-16-00700400-BNC is a 16-way power in-line divider that operates from 700 MHz to 4 GHz. This unique exclusive circuit with custom-designed connectors ensures a smooth roll-down beyond 4 GHz to account for frequency drifting near the band edge. Aluminum enclosure measures 1.5" wide x 4.75" deep x 0.75" high, allowing for mounting into a 19" rack.

Specifications	Min	Typ	Max	Min
Frequency	700		4000	MHz
Impedance		50		Ohm
Return Loss (Port S)	11	15		dB
Return Loss (Ports 1-16)	13	17		dB
Insertion Loss (Above 12.04 dB)		2.5	3.5	dB
Isolation	16	22		dB
Amplitude Balance		0.3	1.0	dB
Phase Balance		12		Degrees
Input Power (CW) ¹			30	Watts

Mechanical

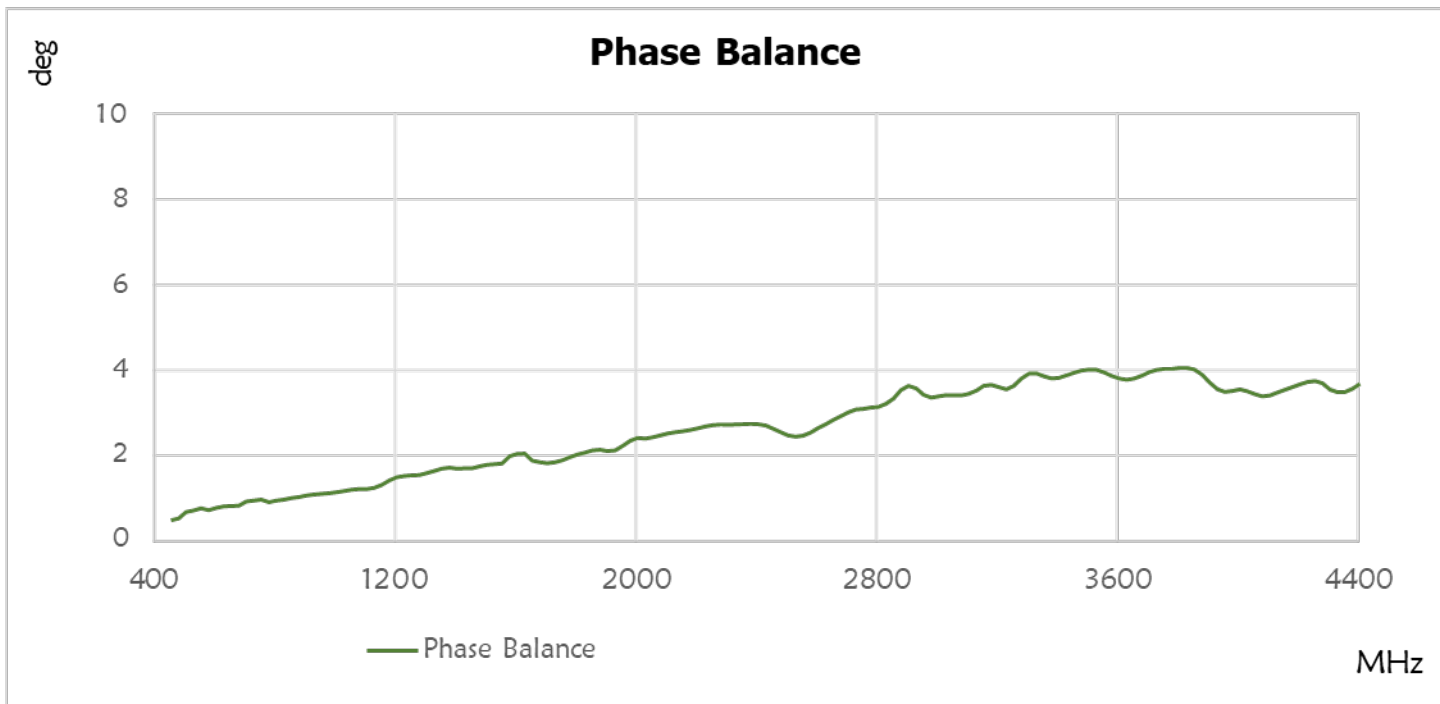
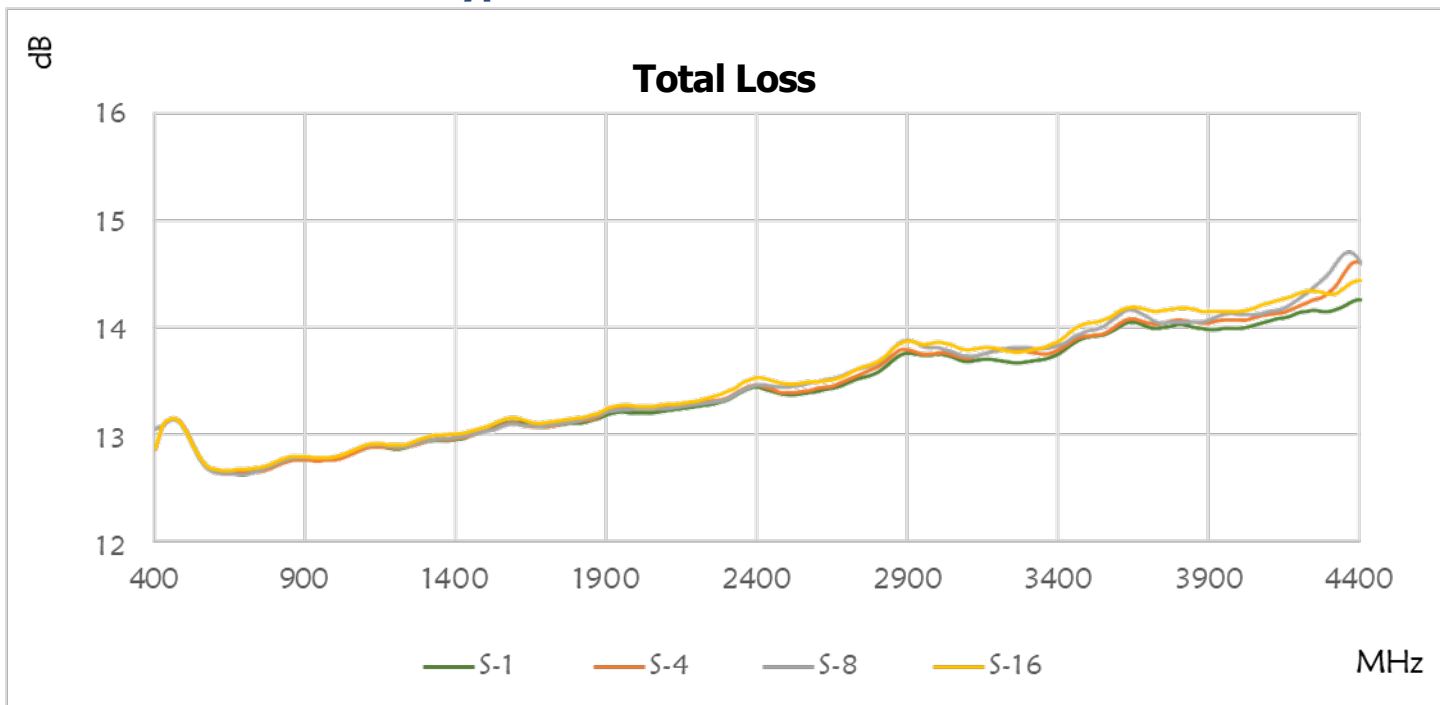
Connector Interface	SMA-Female
Operating Temperature ²	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Weight Estimate	3.4 lb (1.54 kg)
Humidity	10-90% non-condensing
Environment	Indoors Use Only

Materials

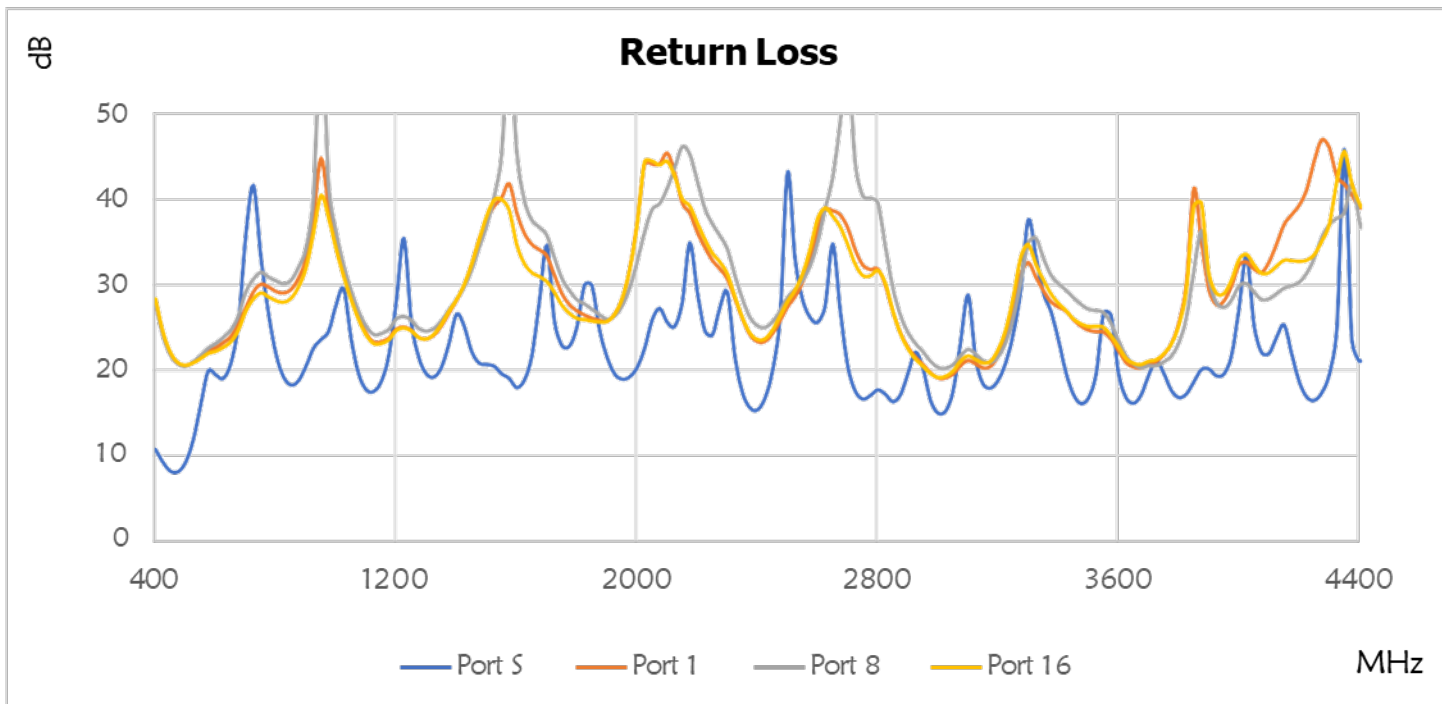
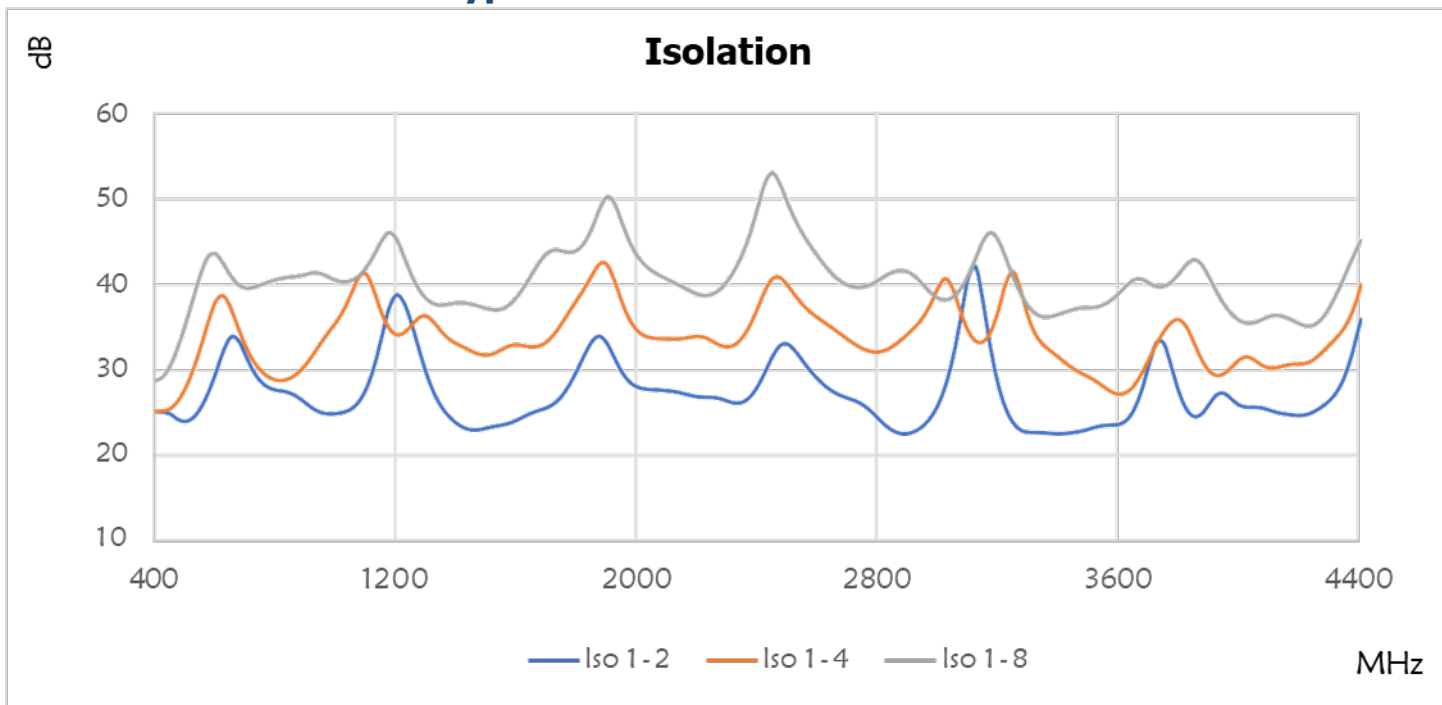
RoHS /REACH Compliant ³	Yes
Enclosure	Aluminum
Connectors	Brass, Gold Plated
Contacts	Be Cu, Gold Plated
Insulators	PTFE
Finish	Clear Chem Film

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 the time of publication.
4. Non-RoHS solder is available upon request.

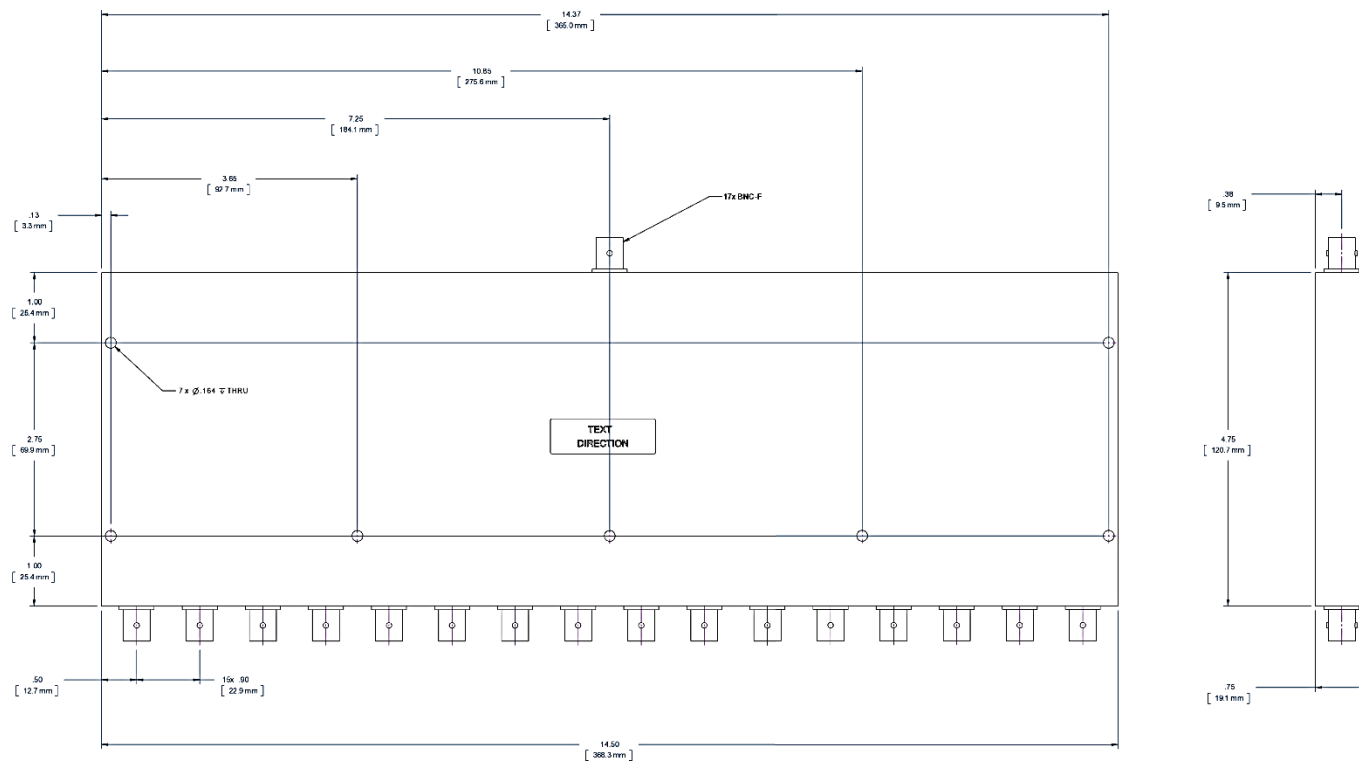
Typical Performance at +25 °C



Typical Performance at +25 °C



Outline Dimensions



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