

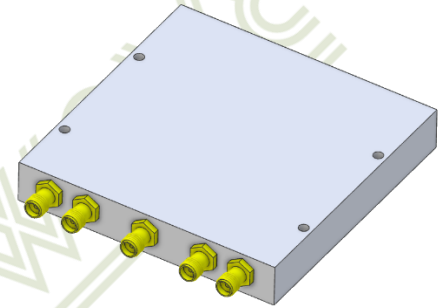
Wideband Single-Sided Power Divider 4-way SMA Female from 500 MHz to 6 GHz

4-way SMA Power Divider from 500 MHz to 6 GHz

D-4967

Description

Model D-4967 from Werbel Microwave is a 4-way power splitter covering the continuous bandwidth of 500 MHz to 6 GHz in an enclosure measuring 3.48 x 3.48 x 0.55 inches. The configuration is unique in that the input and output are on the same side, which allows for front panel mounting in rack systems, and internally where space may be limited. The device is RoHS compliant.



Specification	Min	Typ.	Max	Units
Frequency	0.5		6	GHz
Impedance		50		Ohm
VSWR (common port)		1.35	1.60	:1
VSWR (split ports)		1.20	1.45	:1
Insertion Loss (above theoretical at 3 GHz)		0.7	1.5	dB
Insertion Loss (above theoretical at 6 GHz)		1.0	2.1	dB
Isolation	17	23		dB
Amplitude Balance		0.2	0.6	dB
Phase Balance		4	10	Degrees
Power Handling as Splitter into 1.2:1 max load VSWR			30	Watts (CW)

Mechanical

Connector Interface	SMA-Female
Operating Temperature*	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Weight Estimate	6 oz (170 g)
Humidity	10-90% non-condensing
Environment	Indoors Use Only

Materials

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

* Design to meet based on materials. Production-tested at +25 °C. External heatsink and convection cooling recommended to maintain body temperature below +50 °C.

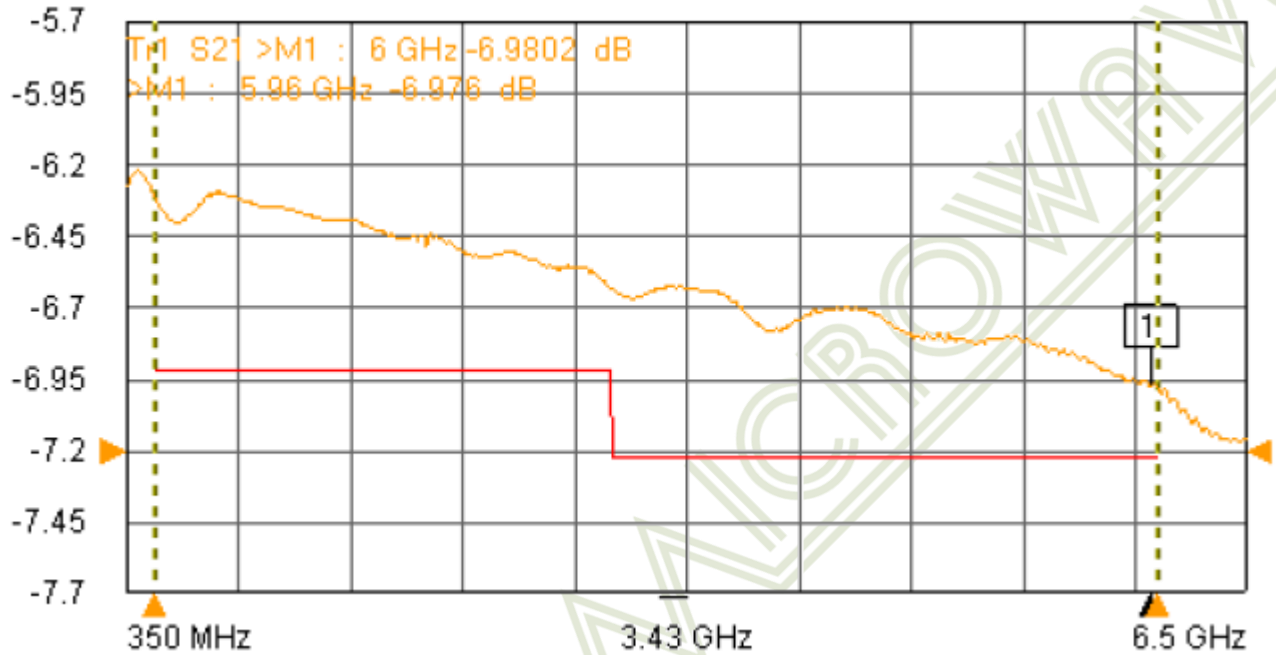


MADE IN USA

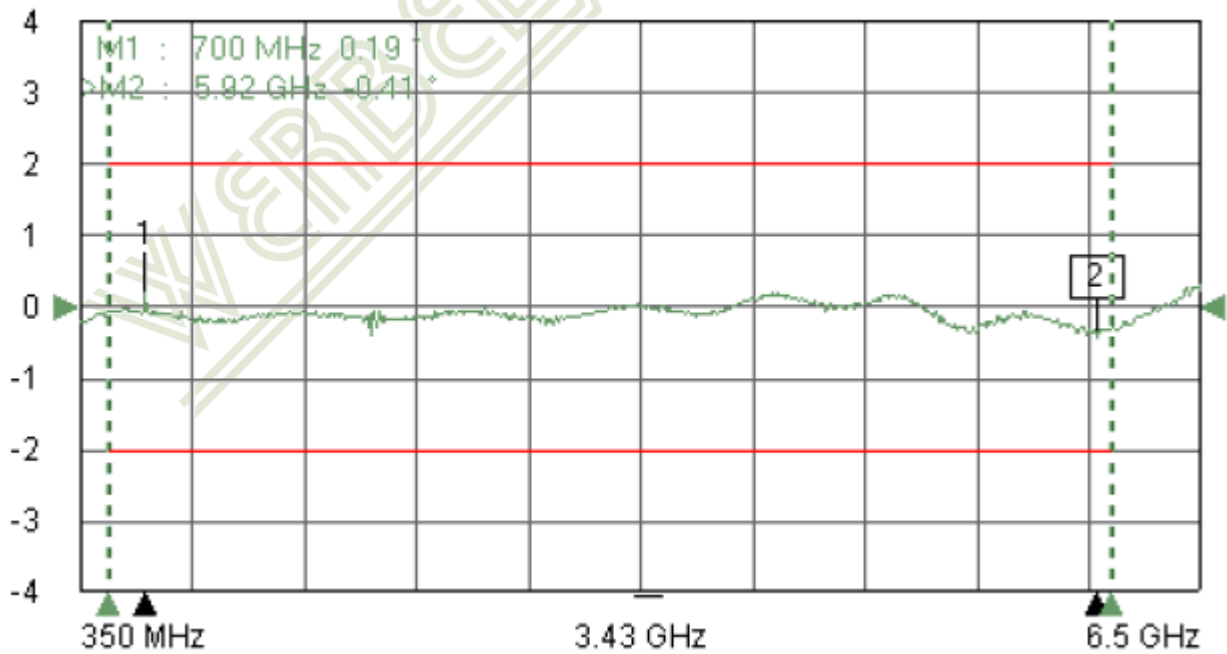
ISO 9001:2015
Certified Company

Typical Performance at +25 °C

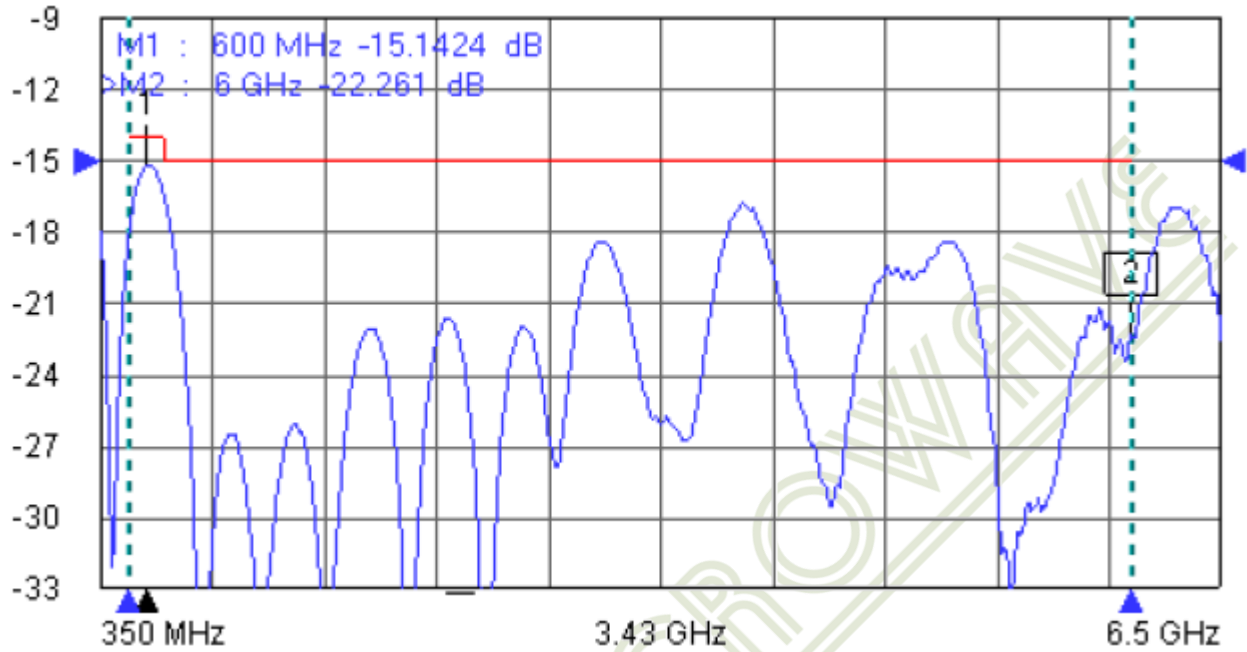
Insertion Loss



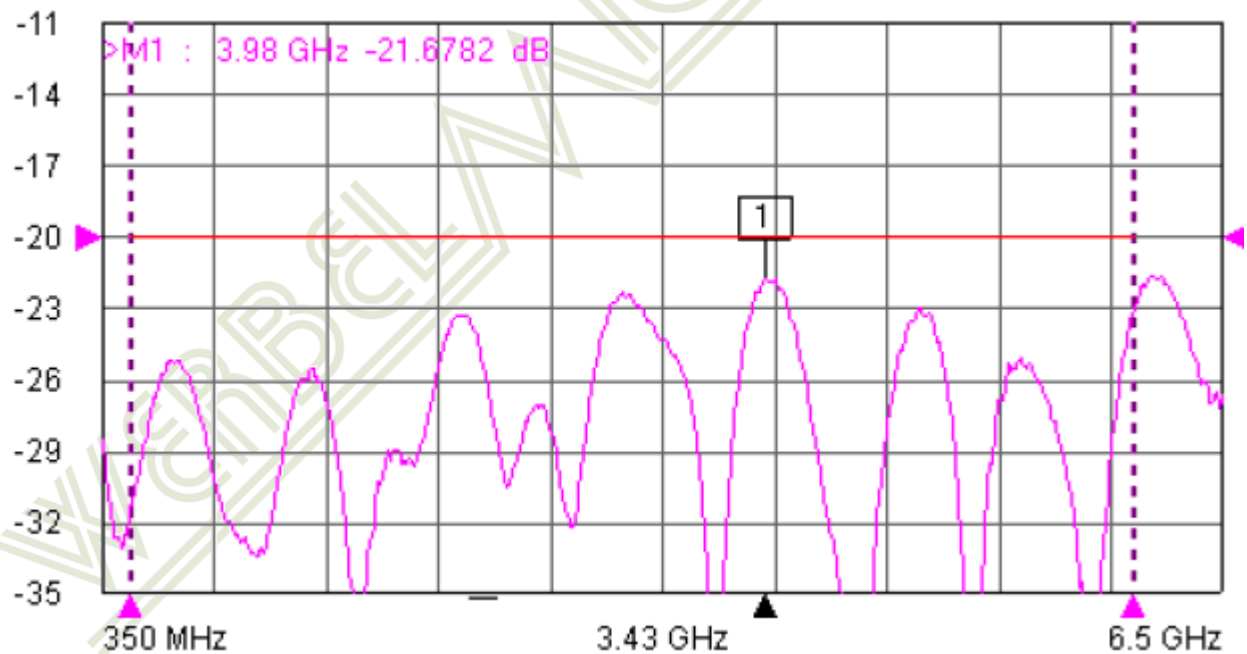
Phase



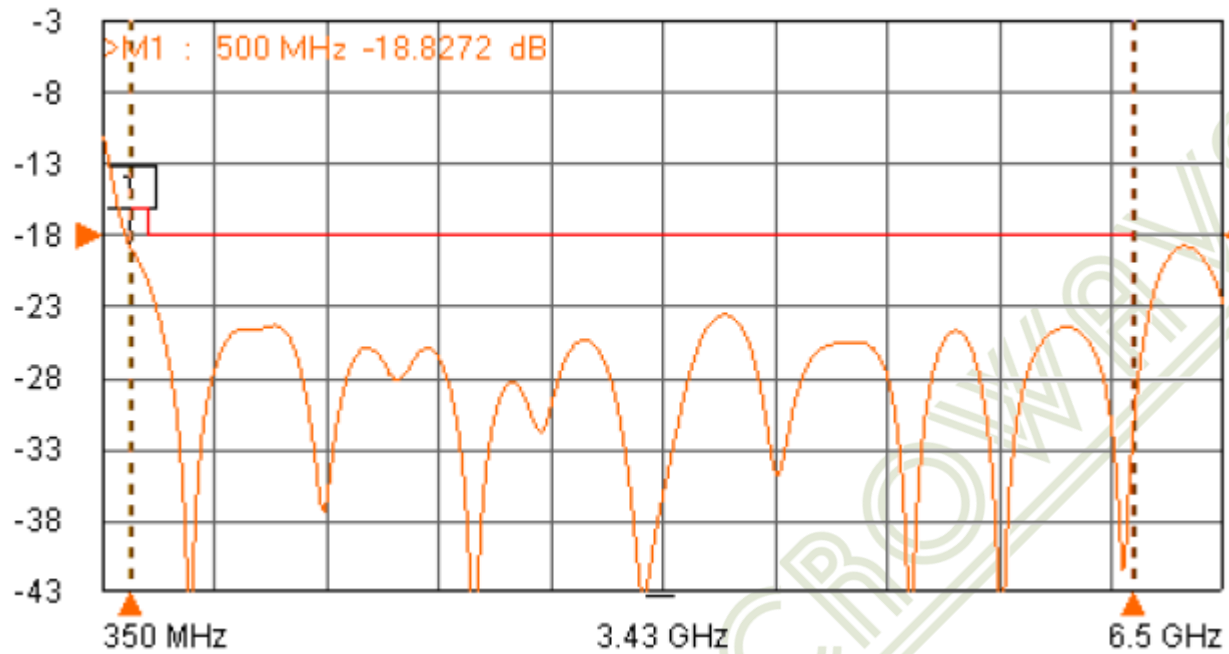
Return Loss Input



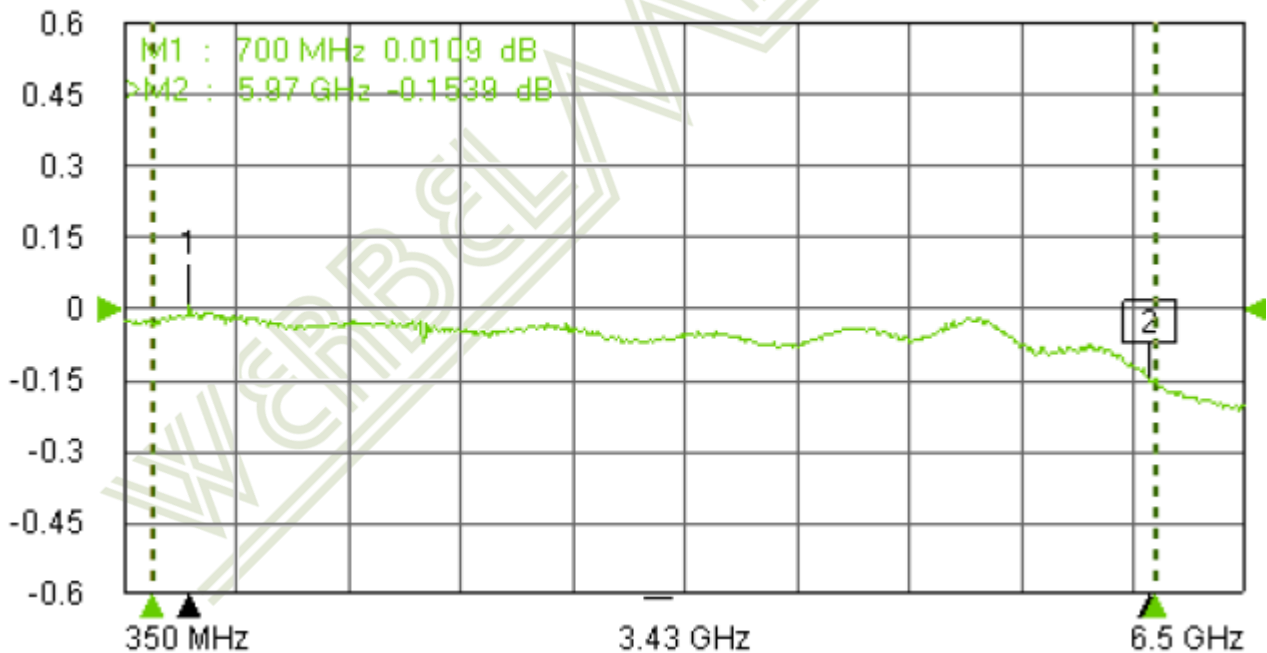
Return Loss Output



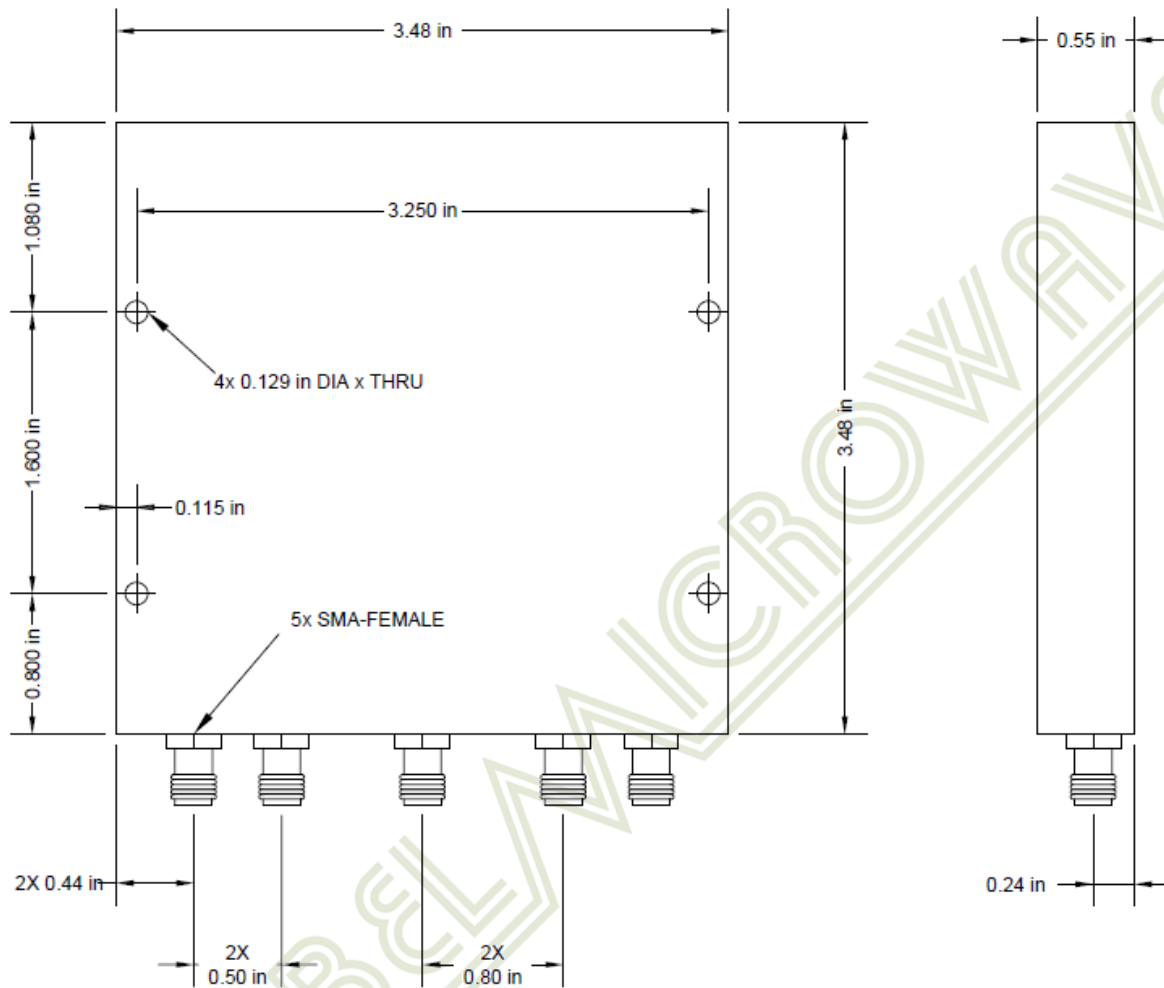
Isolation



Amplitude Balance



Outline Dimensions



Outline drawing: OL-4967

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

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

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