

# LPD-752-8 Lab Brick® 8-Way Power Divider

Frequency: 700 – 7,250 MHz Power Divider: 8 Way

## Features/Benefits

- Miniature Size
- Excellent Amplitude and Phase Balance
- Low Loss
- RF Shielded

## Applications

- Wi-Fi, Wi-Fi 6E
- 3G, 4G, 5G
- Satellite



The Lab Brick series of Power Dividers bring affordability, simplicity and a miniature size to the microwave test bench. Vaunix offers standard products with 2, 4, 8 and 16 outputs that mount easily in nearly any environment.

The LPD-752-8 is an 8 Way, 0-degree power divider/combiner with a frequency range of 700 – 7250 MHz. The LPD-752-8 has excellent amplitude and phase balance along with high port to port isolation.

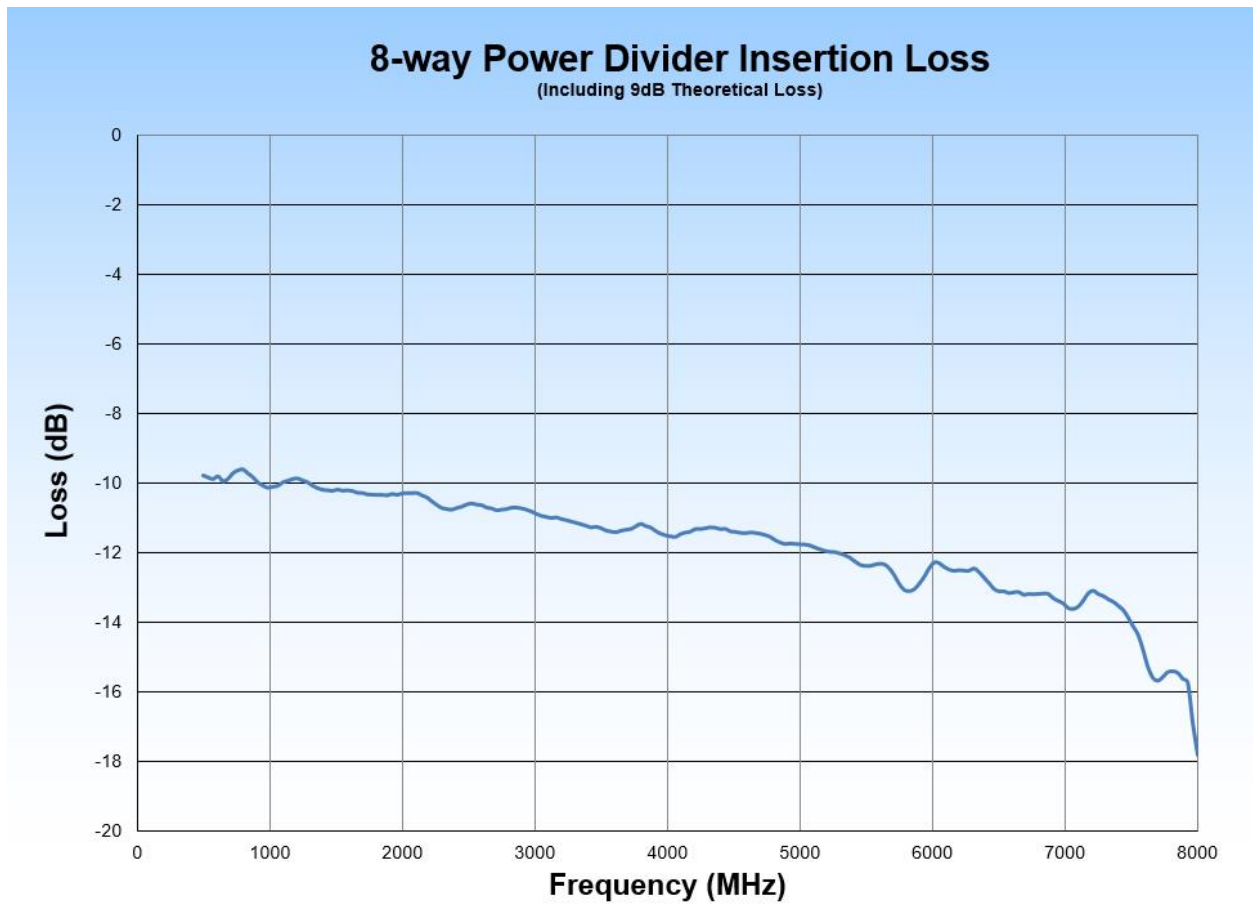
The unique mechanical design offers a space saving 0.45” connector spacing, recessed SMA flanges for direct panel mount compatibility, and thru holes for top or bottom side mounting.

The wide frequency bandwidth of the power divider is perfect for cellular and Wi-Fi/Wi-Fi 6E applications.

## LPD-752-8 Specifications

<i>Parameter</i>	<i>Test Conditions</i>	<i>Min</i>	<i>Typ</i>	<i>Max</i>
<b>Frequency</b>	MHz	700		7,250
<b>Number of Ways</b>			8	
<b>Insertion Loss</b> (Does not include 9 dB theoretical loss)	2 GHz (dB)		1.5	
	4 GHz (dB)		2.5	
	6 GHz (dB)		4	
	7.25 GHz (dB)		4.5	
<b>Isolation</b>	near ports (dB)		20	
	far ports (dB)		25	
<b>VSWR</b>	Input		1.5:1	
	Output		1.5:1	
<b>Amplitude Balance</b>	dB		+/-0.6	
<b>Phase Balance</b>	Degrees		+/-8	
<b>Input Power</b>	as Splitter (W)	20		
	as Combiner (W)	0.5		
<b>Environmental</b>	Operating Temperature	-30 °C to +60 °C		
	Relative Humidity (non-condensing)	<95%		
<b>Connectors</b>	RF Connector	SMA – female		
<b>Mechanical</b>	Size	4.25 x 2.05 x 0.6 inches 108 x 52.1 x 15.2 millimeters		
	Weight	0.35 pounds 159 grams		

## LPD-752-8 Performance



# LPD-752-8 Mechanical

