

LPD-752-4-2 Lab Brick® 4-Way Power Divider

Frequency: 700 – 7,250 MHz Power Divider: 4 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-752-4-2 is a dual package 4 Way, 0-degree power divider/combiner with a frequency range of 700 – 7250 MHz. The LPD-752-4-2 has excellent amplitude and phase balance along with high port to port isolation.

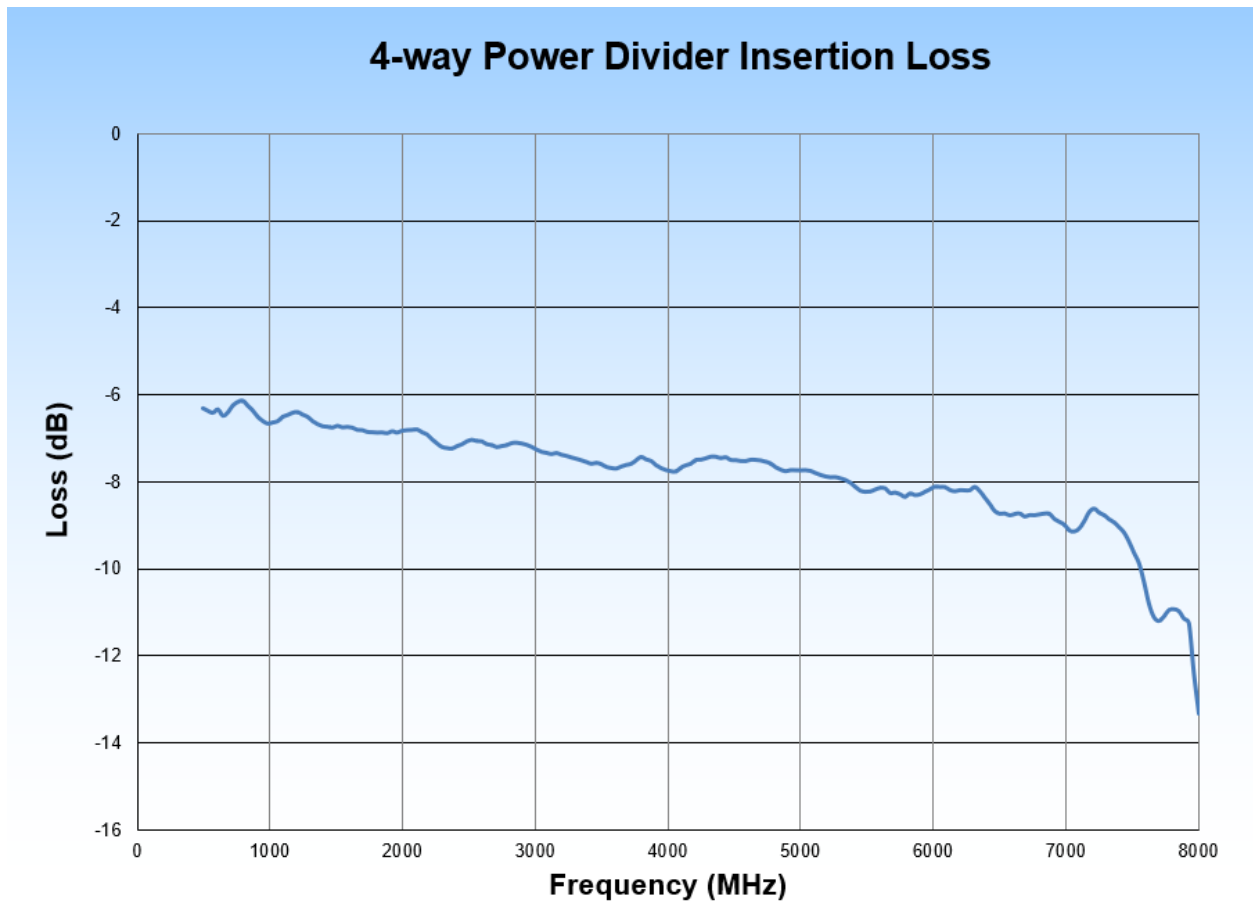
The unique mechanical design provides two individual 4 way power dividers in a space saving package with 0.45" connector spacing, recessed SMA flanges for direct panel mount compatibility, and thru holes for top or bottom side mounting.

The wide frequency bandwidth of the power divider is perfect for cellular and WiFi/WiFi6E applications.

LPD-752-4-2 Specifications

Parameter	Test Conditions	Min	Typ	Max
Frequency	MHz	700		7,250
Number of Power Dividers			2	
Number of Ways			4	
Insertion Loss (Does not include 6 dB theoretical loss)	2 GHz (dB)		0.9	
	4 GHz (dB)		2	
	6 GHz (dB)		2.5	
	7.25 GHz (dB)		3	
Isolation	near ports (dB)		20	
	far ports (dB)		25	
VSWR	Input		1.5:1	
	Output		1.5:1	
Amplitude Balance	dB		+/-0.5	
Phase Balance	Degrees		+/-6	
Input Power	as Splitter (W)	20		
	as Combiner (W)	0.5		
Environmental	Operating Temperature	-30 °C to +60 °C		
	Relative Humidity (non-condensing)	<95%		
Connectors	RF Connector	SMA – female		
Mechanical	Size	4.11 x 2.05 x 0.6 inches 104.4 x 52.1 x 15.2 millimeters		
	Weight	0.35 pounds 159 grams		

LPD-752-4-2 Performance



LPD-752-4-2 Mechanical

