



## WILKINSON POWER DIVIDER

**PD-0220**

### Features

- 2 to 20 GHz In-phase Power Splitting
- 22 dB Typical Output to Output Isolation
- Outstanding Phase and Amplitude Balance
- [Microwave Power Dividers & Couplers App Note](#)



### Electrical Specifications

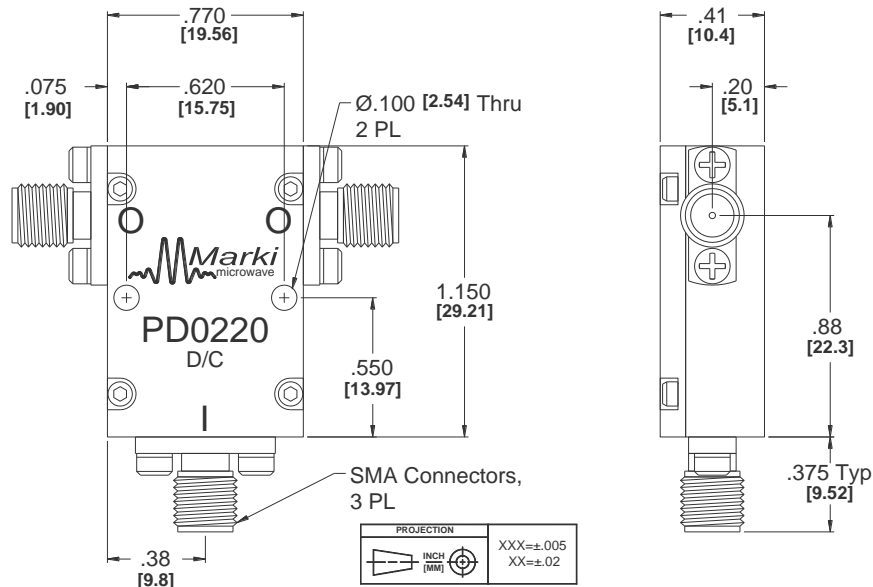
Parameter <sup>1</sup>	Frequency Range (GHz)	Min	Typ	Max
Nominal Power Splitting (dB)	2 to 20		3	
Nominal Phase Shift (Degrees)	2 to 20		0	
Amplitude Balance (dB)	2 to 20		±0.2	±0.75
Phase Balance (Degrees)	2 to 20		±2	±10
Excess Insertion Loss (dB) <sup>2</sup>	2 to 20		1	2
VSWR	2 to 18 18 to 20		1.2 1.6	1.5
Isolation (dB)	2 to 6 6 to 20	15 18	19 22	
Weight (g)			45	

<sup>1</sup>Specifications guaranteed when operated in a 50Ω system.

<sup>2</sup>Excess Insertion Loss = (Common Port to Output Port Insertion Loss) – 3 dB.

Model Number	Description
PD-0220	2 - 20 GHz Power Divider with SMA connectors <sup>1</sup>

<sup>1</sup>Default is SMA female connectors. Consult factory for other connector options.



# WILKINSON POWER DIVIDER

# PD-0220

Page 2

## Typical Performance

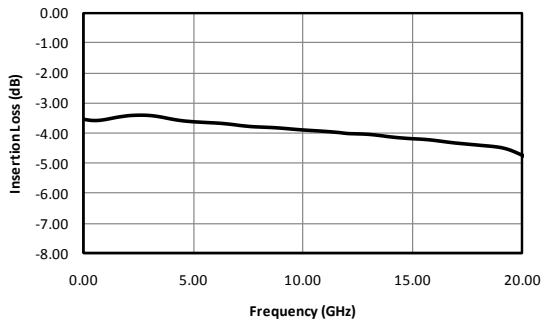


Fig. 1. Common port to output port insertion loss.

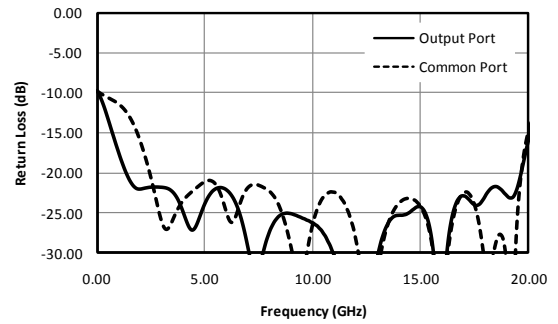


Fig. 2. Return loss for output and common ports.

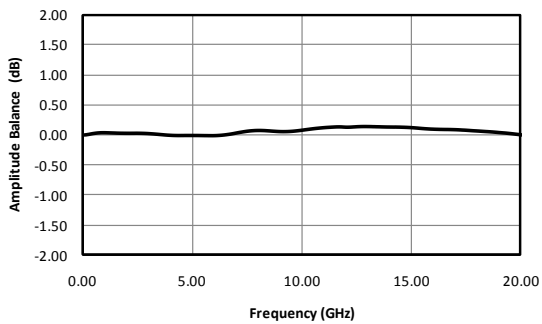


Fig. 3. Amplitude balance between output ports.

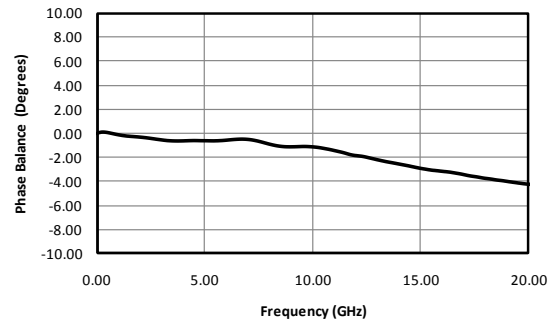


Fig. 4. Phase balance between output ports.

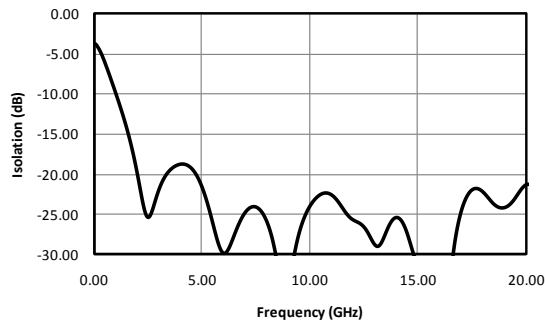


Fig. 5. Isolation between output ports.

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use of or application of any product.