



LEAD-FREE / RoHS-COMPLIANT

ULTRA-WIDEBAND WILKINSON POWER DIVIDER

PD-0R426

Features

- 0.4 to 26 GHz In-phase Power Splitting
- 24 dB Typical Output to Output Isolation
- Outstanding Phase and Amplitude Balance
- [Microwave Power Dividers & Couplers App Note](#)

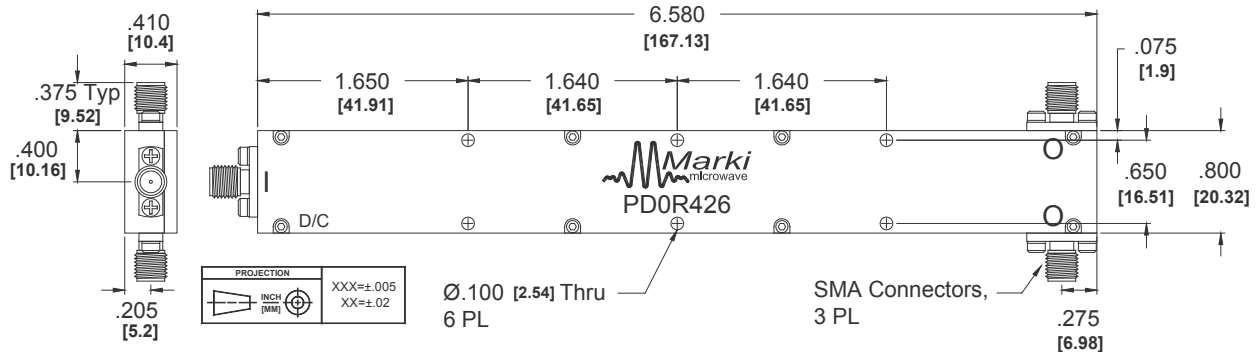
Electrical Specifications - Specifications guaranteed from -55 to +100°C, measured in a 50Ω system.

Parameter	Frequency Range (GHz)	Min	Typ	Max
Nominal Power Splitting (dB)	0.4 to 26		3	
Nominal Phase Shift (Degrees)	0.4 to 26		0	
Amplitude Balance (dB)	0.4 to 26		±0.05	±0.5
Phase Balance (Degrees)	0.4 to 26		±2	±10
Excess Insertion Loss (dB) ¹	0.4 to 26		2	5
VSWR	0.4 to 20		1.25	1.5
	20 to 26		1.35	1.7
Isolation (dB)	0.6 to 20	15	24	
	0.4 to 0.6 & 20 to 26	10	18	
Power As Divider(W)				10
Power As Combiner (W)				1
Weight (g)			84	

¹Excess Insertion Loss = (Common Port to Output Port Insertion Loss) – 3 dB.

Model Number	Description
PD-0R426	0.4 – 26 GHz Power Divider with SMA connectors ¹ LEAD-FREE/RoHS COMPLIANT

¹Default is SMA female connectors. Consult factory for other connector options.



Typical Performance

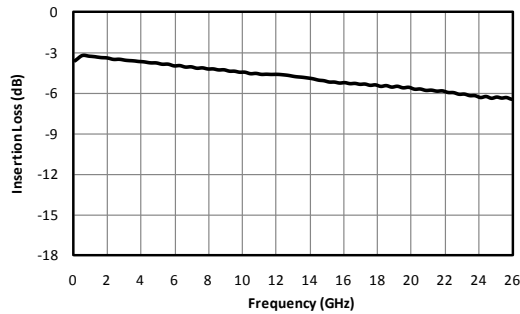


Fig. 1. Common port to output port insertion loss.

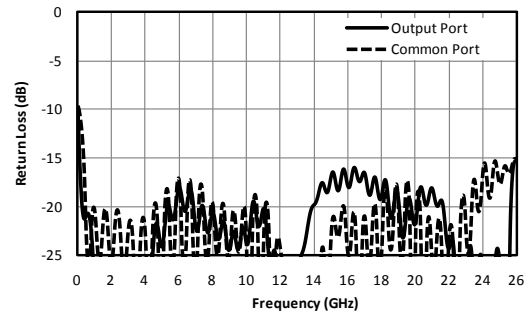


Fig. 2. Return loss for output and common ports.

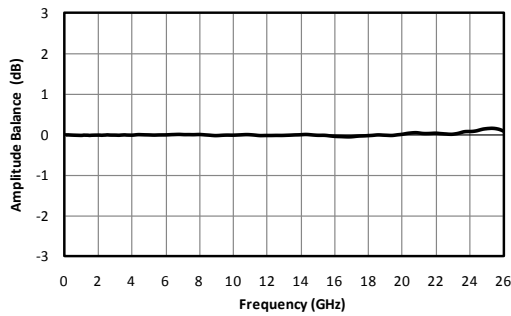


Fig. 3. Amplitude balance between output ports.

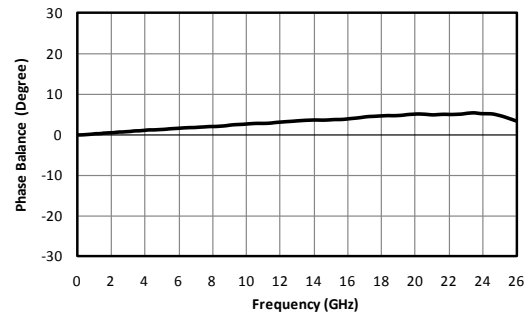


Fig. 4. Phase balance between output ports.

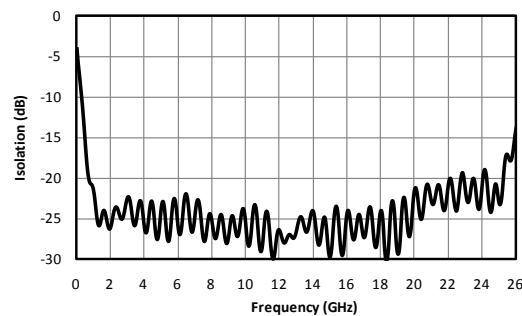


Fig. 5. Isolation between output ports.

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 or application of any product.