LEAD-FREE / RoHS-COMPLIANT

3-WAY WILKINSON POWER DIVIDER

PD3-0R616

Features

- 0.6 to 16 GHz In-phase Power Splitting
- High Output to Output Isolation
- Closely Tracking Phase and Amplitude Balance
- Microwave Power Dividers & Couplers App Note



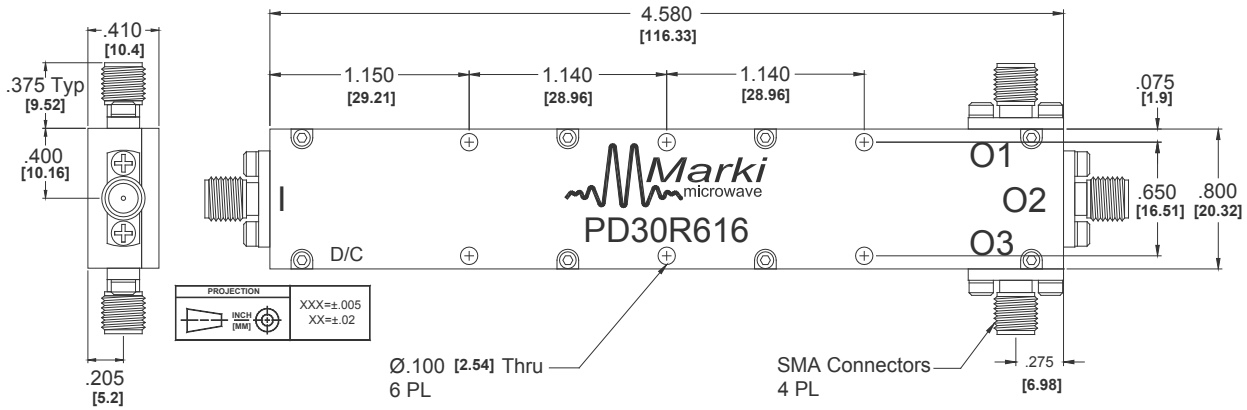
Electrical Specifications - Specifications guaranteed from -55 to +100°C, measured in a 50Ω system.

Parameter	Frequency Range (GHz)	Min	Typ	Max
Nominal Power Splitting (dB)	0.6-16		4.77	
Nominal Phase Shift (Degrees)	0.6-16		0	
Amplitude Balance (dB)	0.6-16		±0.2	±0.6
Phase Balance (Degrees)	0.6-16		±2	±10
Excess Insertion Loss (dB)[1]	0.6-16		1.5	3
VSWR	0.8-16 0.6-0.8		1.35 1.55	1.55
Isolation (dB)	0.8-16 0.6-0.8	15 12	See Plot	
Power As Divider (W)				10
Power As Combiner (W)				1
Weight (g)			62	

[1]Excess Insertion Loss = (Common Port to Output Port Insertion Loss) – 4.77 dB.

Model Number	Description
PD3-0R616	0.6 – 16 GHz Power Divider with SMA connectors[1] LEAD-FREE/RoHS COMPLIANT

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



215 Vineyard Court, Morgan Hill, CA 95037 | Ph: 408.778.4200 | Fax 408.778.4300 | info@markimicrowave.com

Typical Performance

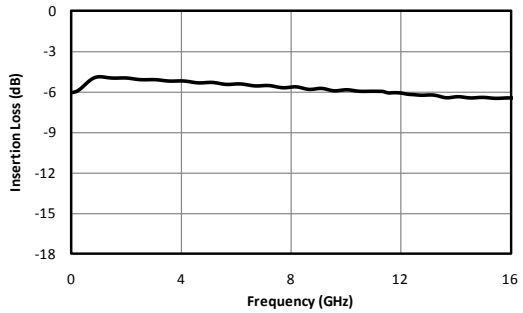


Fig. 1. Common port to output port insertion loss.

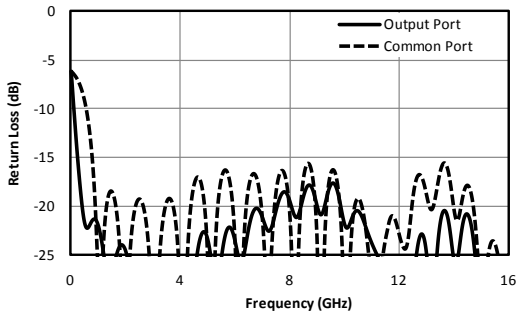


Fig. 2. Return loss for output and common ports.

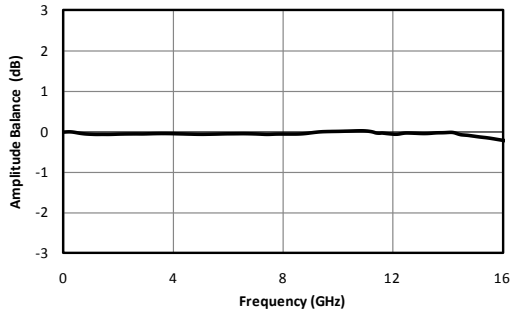


Fig. 3. Amplitude balance between output ports.

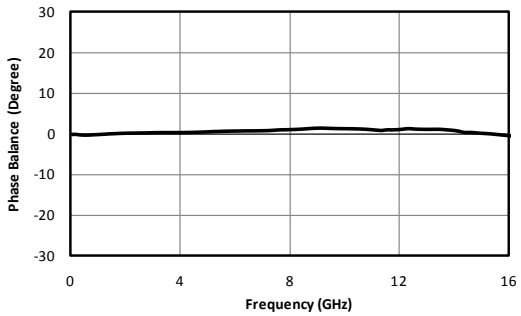


Fig. 4. Phase balance between output ports.

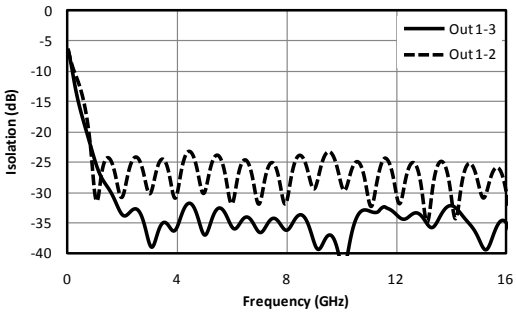


Fig. 5. Isolation between output ports.

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.