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LEAD-FREE / RoHS-COMPLIANT

4-WAY WILKINSON POWER DIVIDER

PD4-0218

Features

- 2 to 18 GHz In-phase Power Splitting
- Outstanding Output to Output Isolation
- Outstanding Phase and Amplitude Balance
- Microwave Power Dividers & Couplers App Note



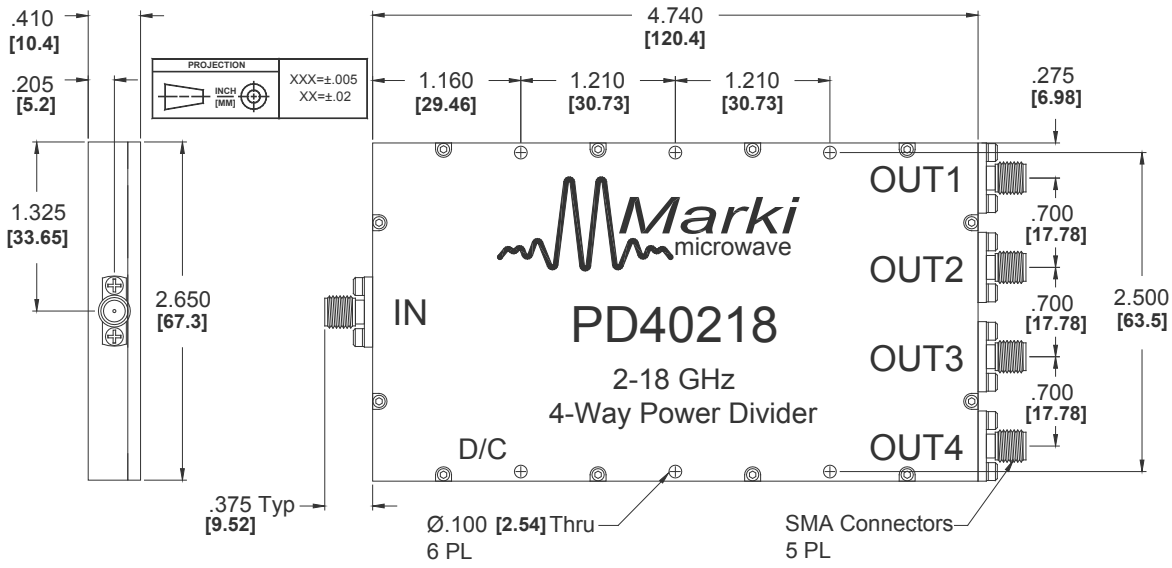
Electrical Specifications - Specifications guaranteed from -55 to +100°C, measured in a 50Ω system.

Parameter	Frequency Range (GHz)	Min	Typ	Max
Nominal Power Splitting (dB)	2 to 18		6	
Nominal Phase Shift (Degrees)			0	
Amplitude Balance (dB)			±0.2	±0.75
Phase Balance (Degrees)			±2	±10
Excess Insertion Loss (dB)[1]			1.2	2.4
VSWR			1.4	
Isolation (dB)		15	See Plot	
Power As Divider (W)				10
Power As Combiner (W)				1
Weight (g)			180	

[1]Excess Insertion Loss = (Common Port to Output Port Insertion Loss) – 6 dB.

Model Number	Description
PD4-0218	2 – 18 GHz Power Divider with SMA connectors[1], LEAD-FREE/RoHS COMPLIANT

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



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Typical Performance

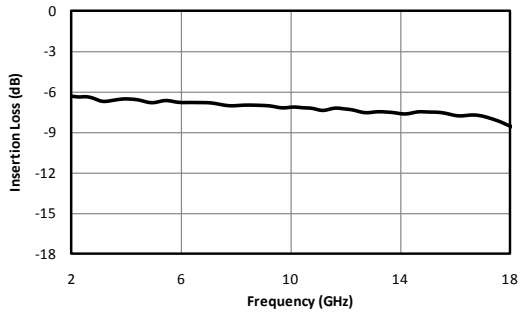


Fig. 1. Common port to output port insertion loss.

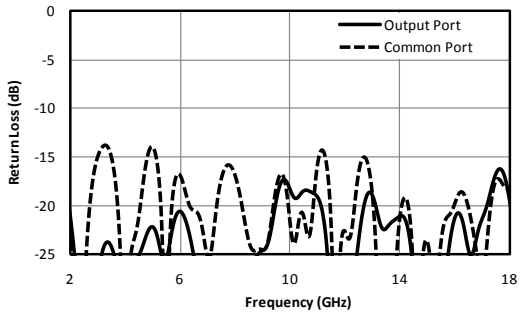


Fig. 2. Return loss for output and common ports.

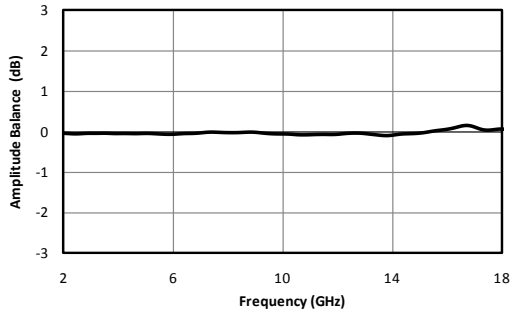


Fig. 3. Amplitude balance between output ports.

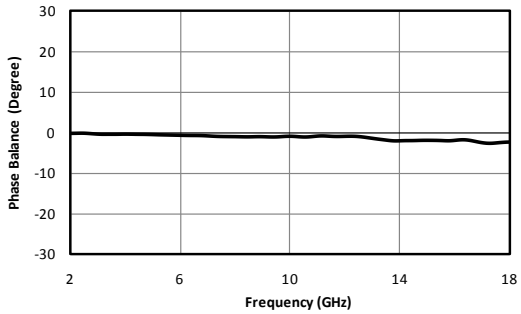


Fig. 4. Phase balance between output ports.

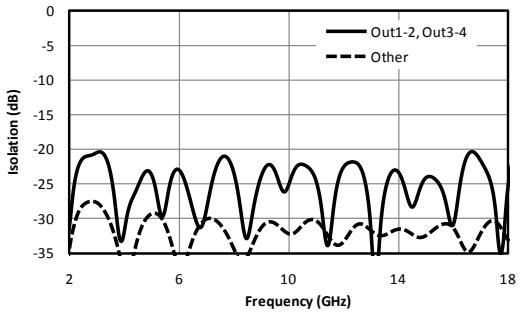


Fig. 5. Isolation between output ports.

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