

LEAD-FREE / RoHS-COMPLIANT

RESISTIVE POWER DIVIDER

Features

- DC to 10 GHz In-phase Power Splitting
- 0.25 dB Typical Insertion Loss
- Outstanding Phase and Amplitude Balance
- Microwave Power Dividers & Couplers App Note

PD-0010



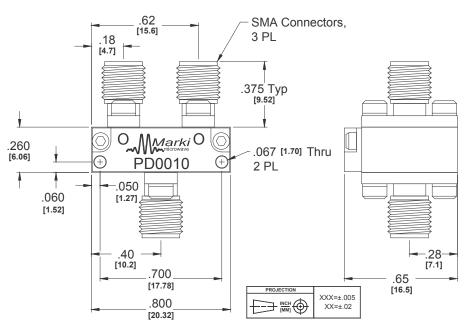
Electrical Specifications — Specifications guaranteed from -55 to +100 $^{\circ}$ C, measured in a 50 Ω system.

Parameter	Frequency Range	Min	Тур	Max
Nominal Power Splitting (dB)	DC to 10 GHz		6	
Excess Insertion Loss (dB) ¹			0.25	1
Nominal Phase Shift (Degrees)			0	
Amplitude Balance (dB)			±0.1	±0.5
Phase Balance (Degrees)			±1	±5
VSWR			1.2	1.45
Input Power (Watt)				1
Weight (g)			10.5	

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

Model Number	Description
PD-0010	DC to 10 GHz Power Divider with SMA connectors1, LEAD-FREE/RoHS COMPLIANT

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



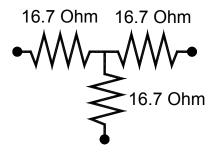


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Circuit Schematic



Typical Performance

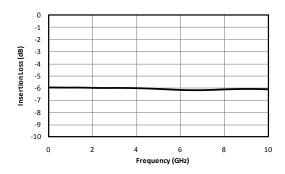


Fig. 1. Common port to output port insertion loss.

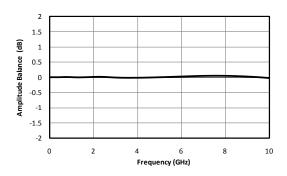


Fig. 3. Amplitude balance between output ports.

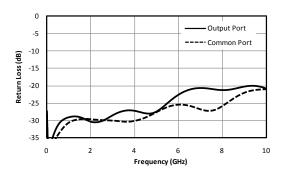


Fig. 2. Return loss for output and common ports.

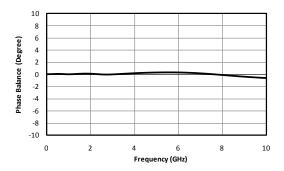


Fig. 4. Phase balance between output ports.

NOTE:

Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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