2-10GHz 2-way Wilkinson Power Divider

PDW06038

www.dilabs.com

DLI • Novacap • Syfer • Voltronics

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DESCRIPTION

DLI's 2-10GHz 2-way power divider / combiner offers unmatched size and performance in a surface mount configuration. This power divider utilizes DLI's low loss temperature stable materials which offer small size and minimal performance variation over temperature.

FEATURES

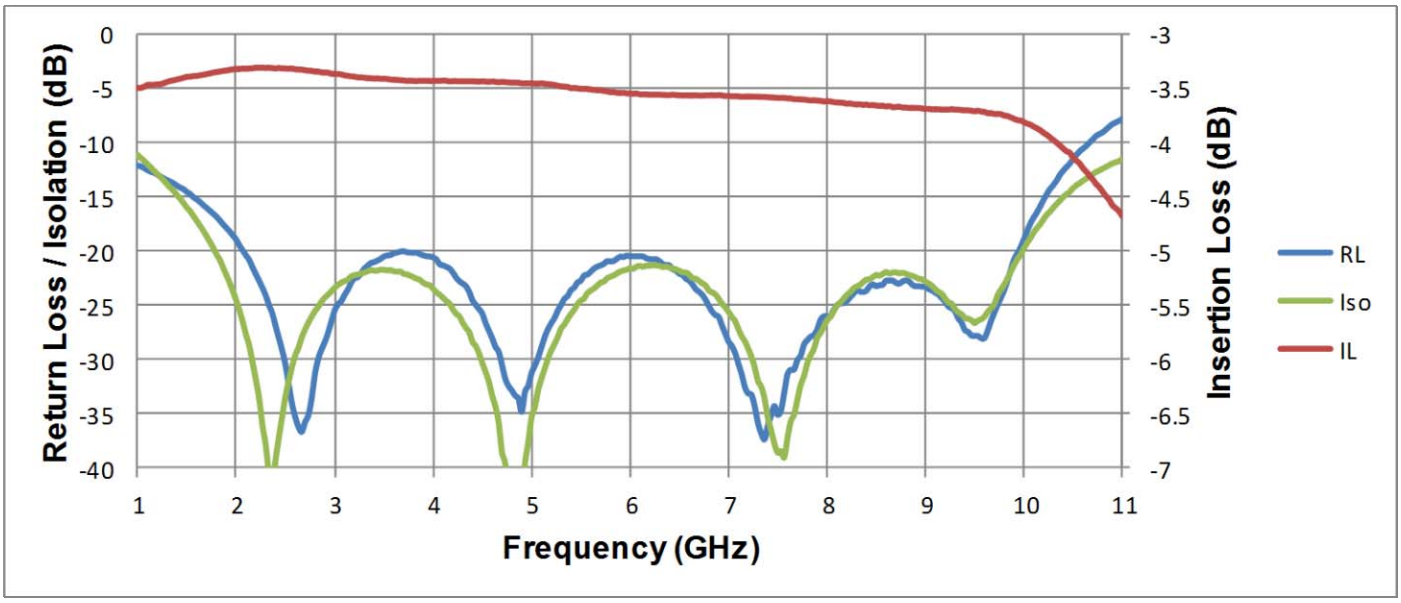
- Small Size
- Broadband 2 to 10GHz Performance
- Frequency Stable over Temperature
- Solder Surface Mount Package
- Excellent Repeatability
- Operating Temp: -55˚C to +125˚C
- Characteristic Impedance: 50Ω

SPECIFICATIONS*

Parameter	Frequency Range (GHz)	Min	Typ.	Max
Nominal Power Splitting (dB)	2 - 10		3.0	
Nominal Phase Shift (Deg)			0.0	
Amplitude Balance (dB)				± .03
Phase Balance (Deg)				± 3.0
Excess Insertion Loss (dB)				0.8
Return Loss (dB)			20	
Isolation (dB)			20	
Input Power (W)				5

*Electrical specifications based on typical mounted performance at room temperature. Insertion loss shall vary ±0.5dB over temperature.

Typical Measured Performance



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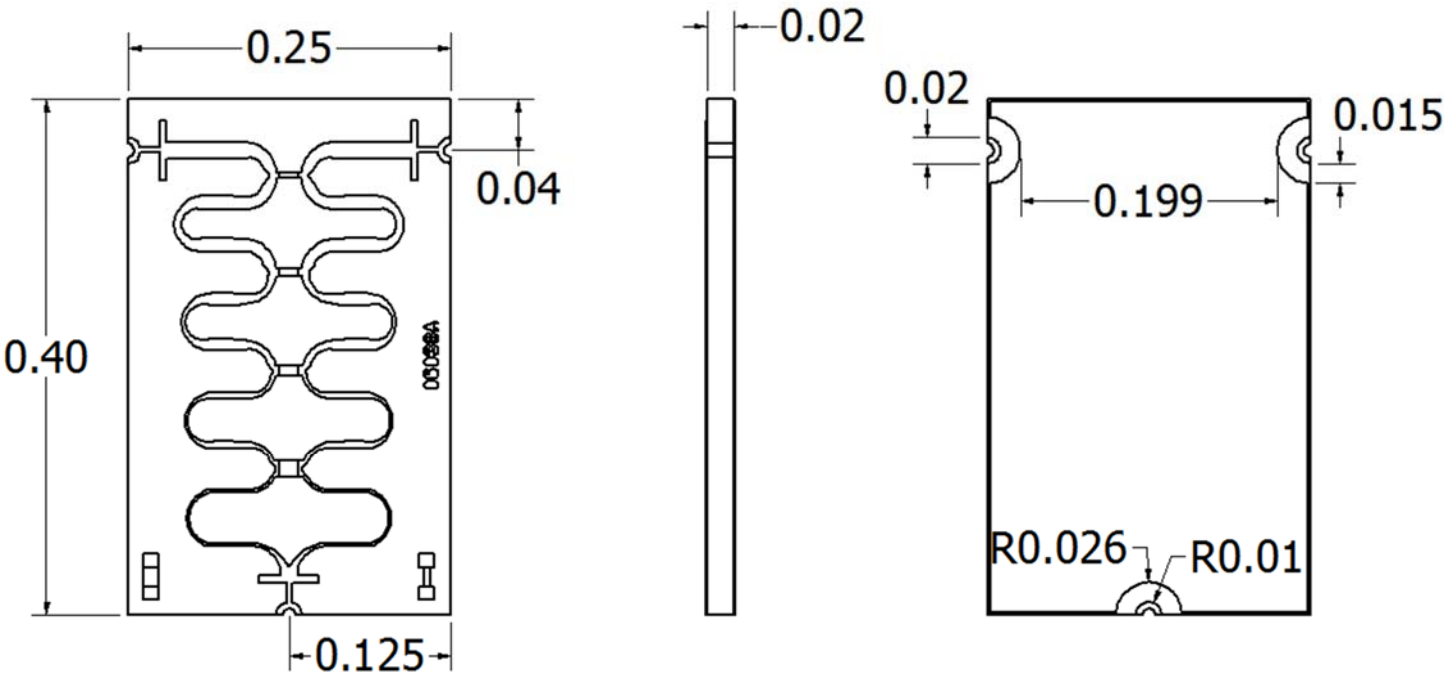
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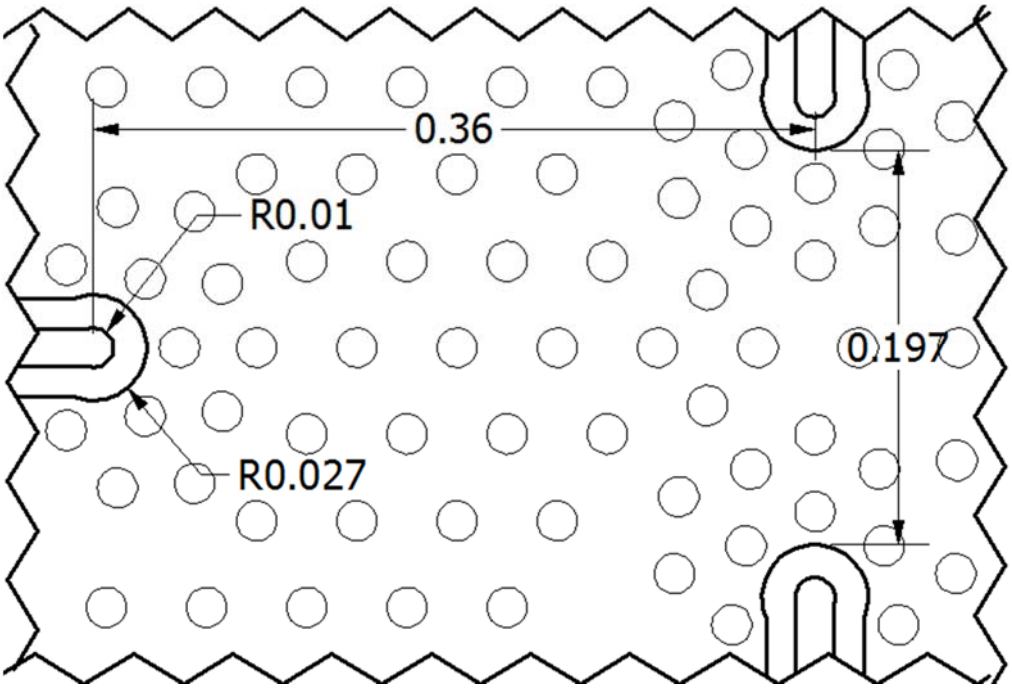
Physical Dimensions

Units = inches



Top Side Bottom

Recommended PCB Layout



RoHS 2011/65/EU Lead Free

ISO 9001 AS 9100

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