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2-18GHz 2-way Wilkinson Power Divider

PDW06407



DLI • Novacap • Syfer • Voltronics

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DESCRIPTION

DLI's 2-18GHz 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

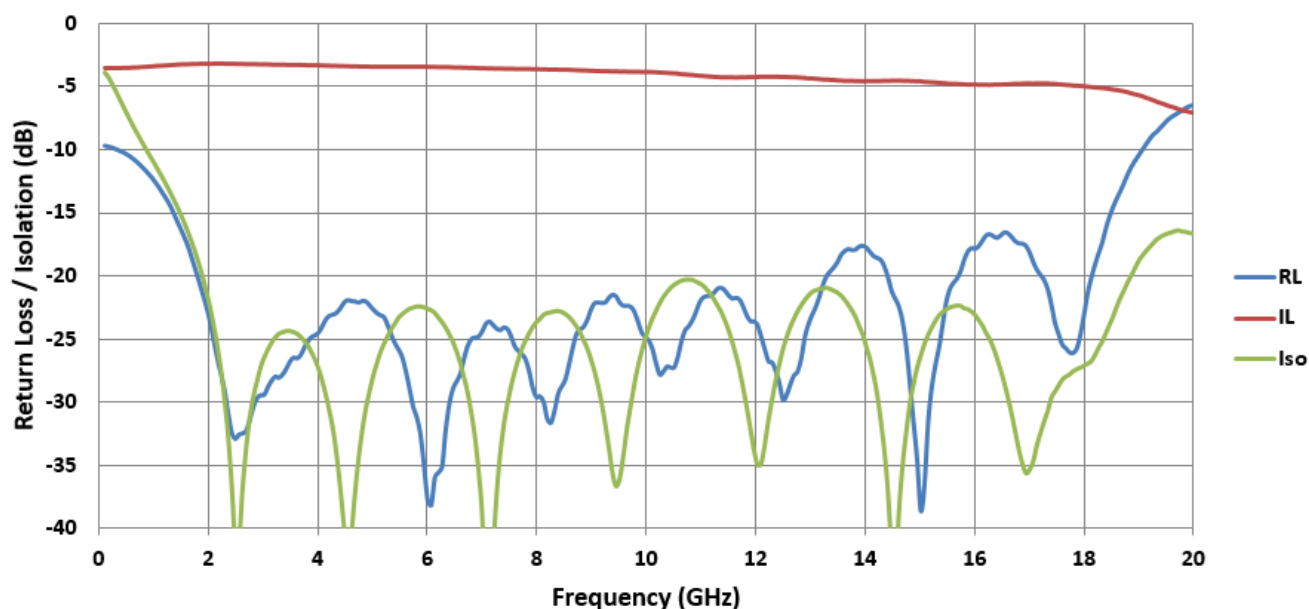
- Small Size
- Broadband 2 to 18GHz Performance
- Frequency Stable over Temperature
- Solder Surface Mount Package
- Excellent Repeatability
- Operating Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

SPECIFICATIONS*

Parameter	Frequency Range (GHz)	Min	Typ.	Max
Nominal Power Splitting (dB)	2-18		3.0	
Nominal Phase Shift (Deg)			0.0	
Amplitude Balance (dB)				± .25
Phase Balance (Deg)				± 5.0
Excess Insertion Loss (dB)				2.5
Return Loss (dB)		14	18	
Isolation (dB)			20	
Input Power (W)				TBD

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

Typical Measured Performance



2777 Route 20 East, Cazenovia, NY 13035 | Ph.: (315)655-8710 | KCCSales@knowles.com

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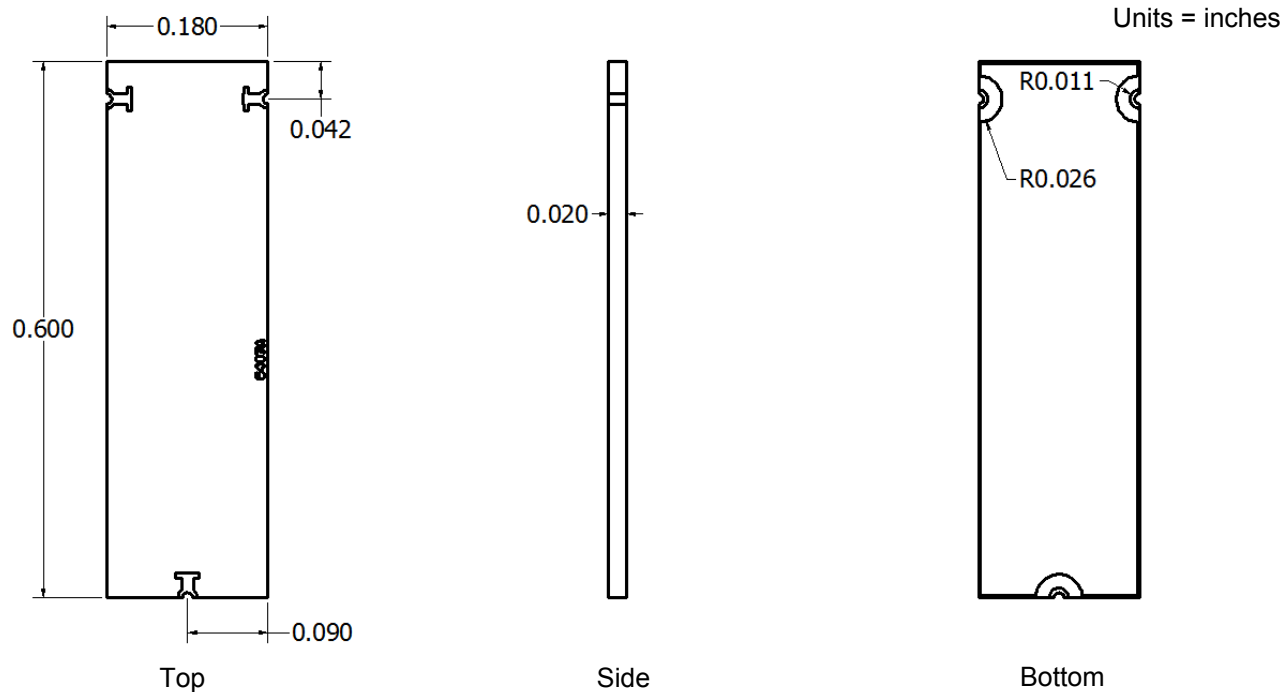
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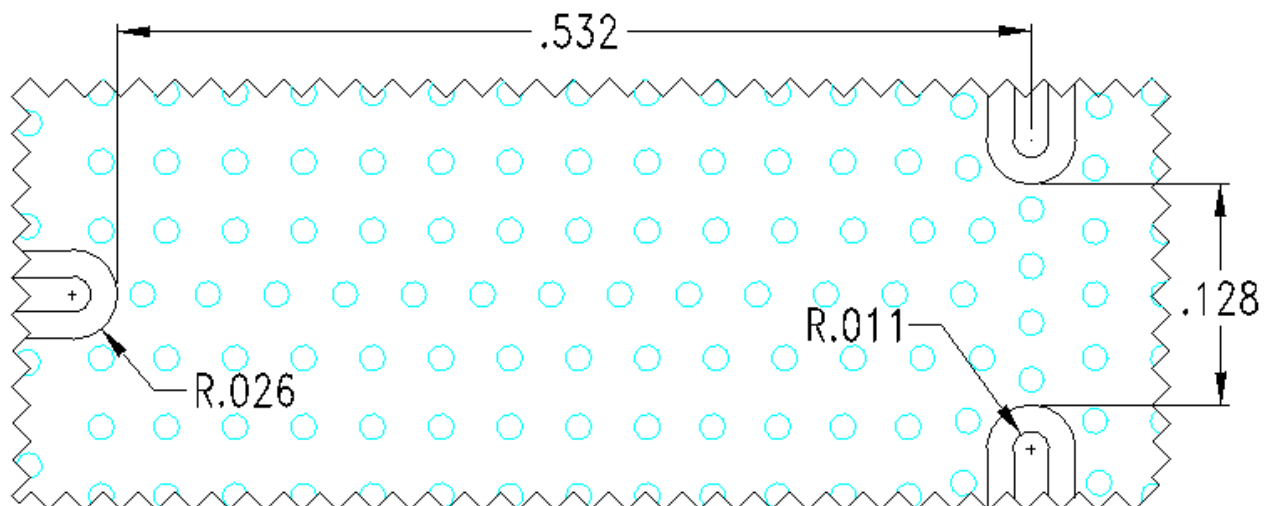
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Physical Dimensions



Recommended PCB Layout



- 50Ω trace dimensions are application specific.
- Ensure adequate grounding beneath the part.



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