

6-18GHz 4-way Wilkinson Power Divider

PDW07948

DESCRIPTION

DLI's 6-18GHz 4-way power divider / combiner offers unmatched size and performance in a wire-bond 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
- Frequency Stable over Temperature
- Wire bond Package
- Excellent Repeatability
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

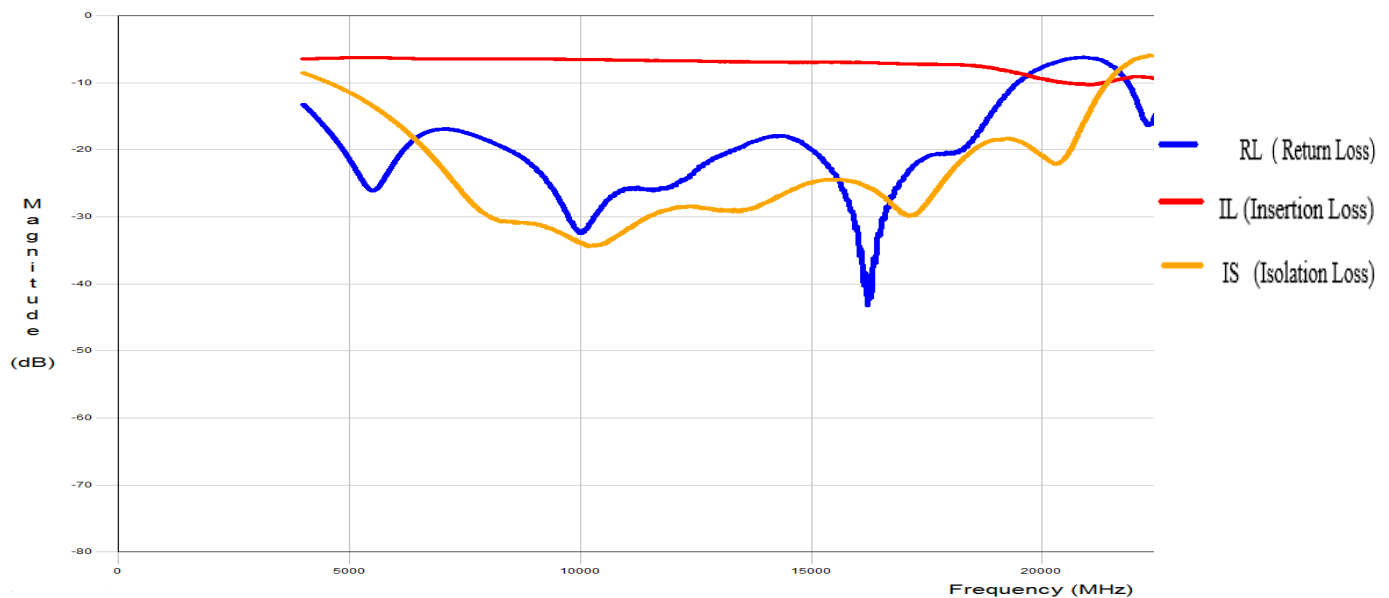
SPECIFICATIONS*

Parameter	Frequency Range (GHz)	Min	Typ.	Max	
Nominal Power Splitting (dB)	6-18		6.0	7.2	
Nominal Phase Shift (Deg)			0.0		
Amplitude Balance (dB)					± .5
Phase Balance (Deg)					± 3.0
Excess Insertion Loss (dB)					1.2
Return Loss (dB)		14	15		
Isolation (dB)		16	20		
Input Power (W)					TBD

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

**Operating condition: maximum Load VSWR 1.2:1; and maximum base plate temperature 85°C

Typical Measured Performance



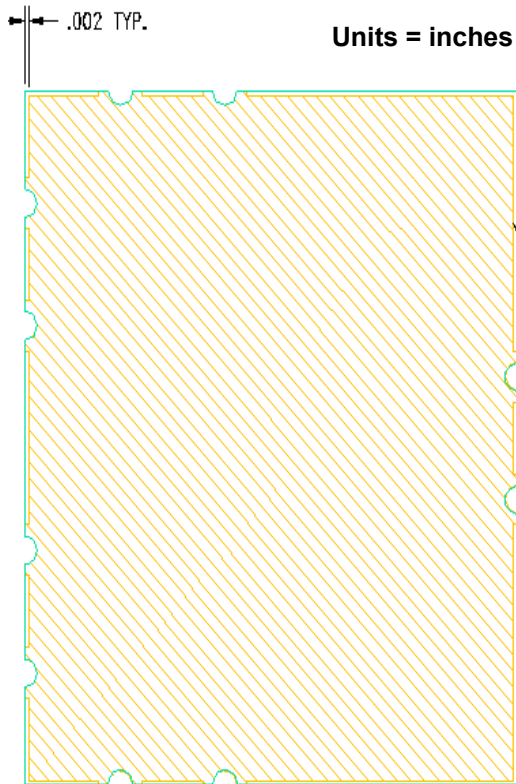
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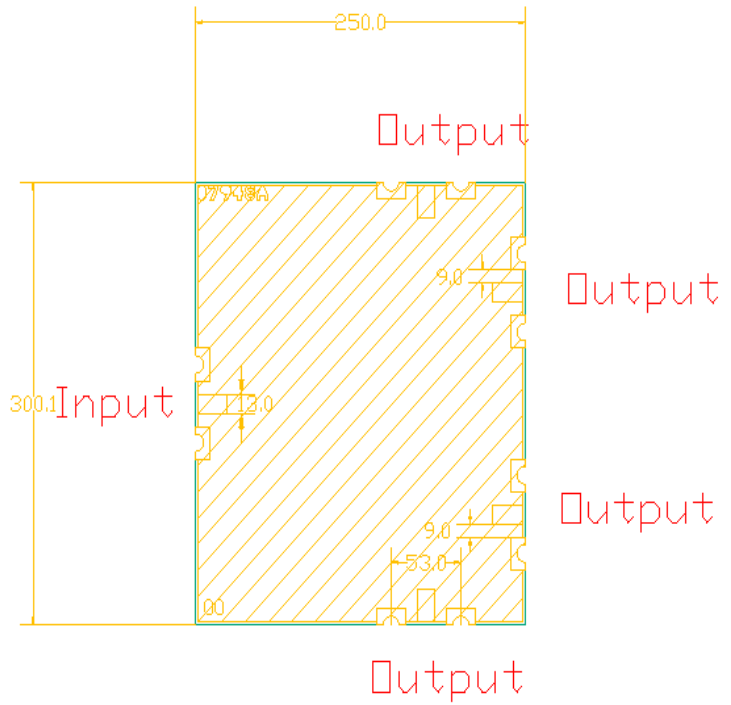
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Physical Dimensions

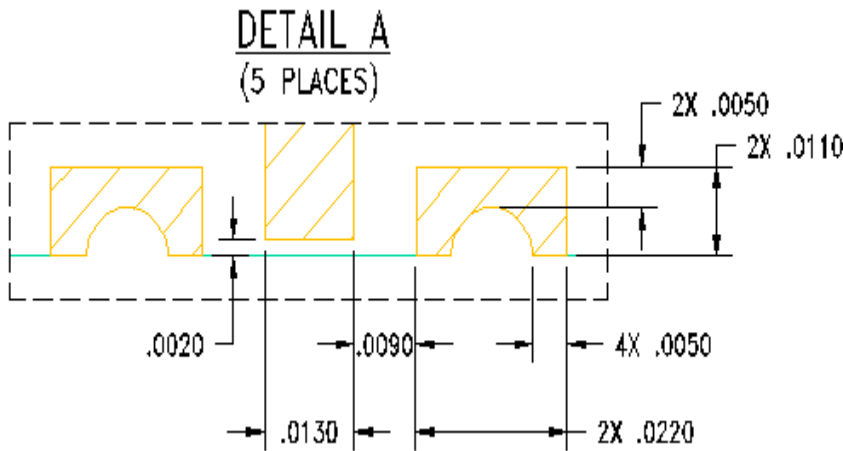
Units = mils



Bottom View



Top View



Unit = Inches

