

## 2-10GHz 2-way Wilkinson Power Divider

**PDW06041**

### 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

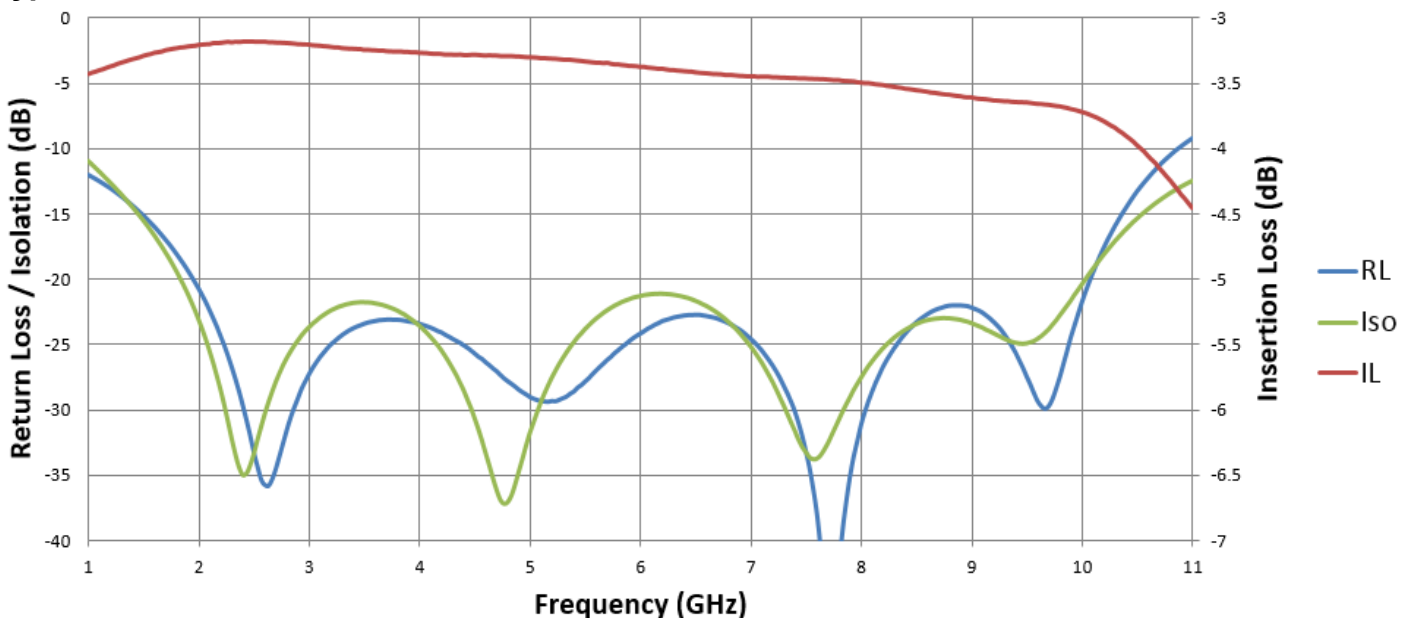
- Small Size
- Frequency Stable over Temperature
- Wirebond Package
- Excellent Repeatability
- Moisture Sensitivity Level: MSL1
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

### 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)					±0.03
Phase Balance (Deg)					±3.0
Excess Insertion Loss (dB)					0.75
Return Loss (dB)				20	
Isolation (dB)				20	
Power (W)					5

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

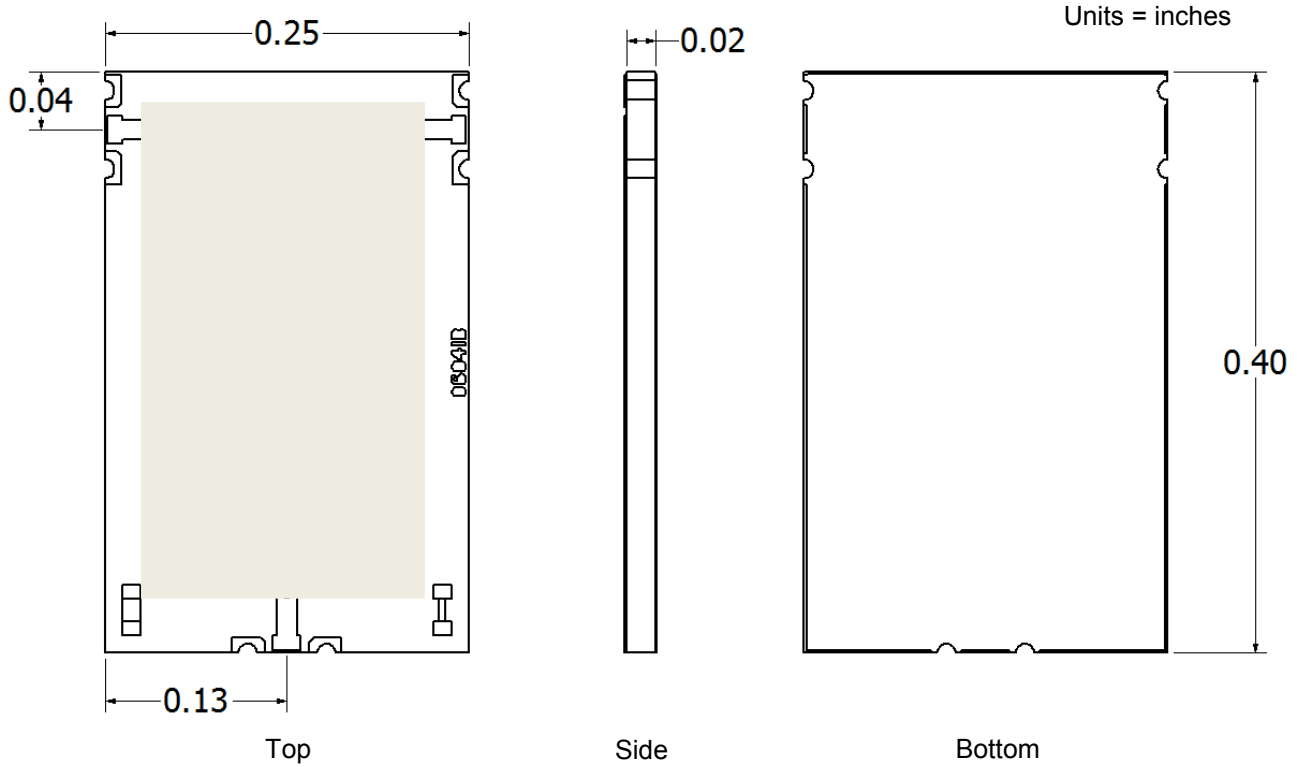
### Typical Measured Performance



**2-10GHz 2-way Wilkinson Power Divider**

**PDW06041**

**Physical Dimensions**



**Recommended PCB Layout**

