

20 to 40GHz 20dB Directional Coupler

FPC07181-Preliminary

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DESCRIPTION

DLI introduces its new high frequency surface mountable catalog direction couplers. These couplers incorporate DLI's high dielectric ceramic materials which provide small size and minimal performance variation over temperature. The components are well matched for monitoring incident and reflected power.

FEATURES

- Small Size
- Frequency Stable over Temperature
- Solder Surface Mountable
- Excellent Repeatability
- Operating Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

SPECIFICATIONS*

Parameter	Frequency (GHz)	Min	Мах
Passband Insertion Loss* (dB)	20—40		0.3
Min Passband Return Loss (dB)		15	
Coupling (dB)		18.5	21.5
Directivity (dB)		10	
Size (LxWxH)	0.065 x .050 x .010 in		
	1.651 x 1.27 x .254mm		

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



*Typical measured performance mounted on RO4350B test board at 25°C.

Typical Measured Performance



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