

Wide Band Directional Couplers - 2.92mm

- High Bandwidth to 46 GHz
- 10, 16, 20dB Coupling
- 20 W Power Handling
- 2.92mm and 2.4mm Connectors Available
- Designed to meet MIL-DTL-15370
- Environmental Screening Available

Frequency Range (GHz)	Connectors	Coupling (dB, nom.)	Model Number	Frequency Sensitivity (dB, max.)	Directivity (dB, min.)	Insertion Loss (dB, max.)	Coupled Power Loss (dB, max.)	Main Line VSWR (x.xx:1, max.)	Coupled Line VSWR (x.xx:1, max.)
0.5 - 40.0	2.92mm jack	10 ± 1.0	DC80-10K-20G	± 1.50	10	3.3	0.460	1.70	1.80
6.0 - 40.0	2.92mm jack	10 ± 1.0	DC7-10K-23G	± 0.70	12	1.7	0.460	1.80	1.90
		20 ± 1.0	DC7-20K-23G	± 0.70	12	1.3	0.044	1.80	1.90
18.0 - 40.0	2.92mm jack	10 ± 1.0	DC3-10K-29G	± 0.65	12	1.7	0.460	1.80	1.90
		20 ± 1.0	DC3-20K-29G	± 0.65	12	1.3	0.044	1.80	1.90

Coupling is referenced to the output and does not include frequency sensitivity.

Insertion loss does not include coupling loss.

Other frequency bands, coupling values, and connectors available.

Electrical Specifications

Impedance 50 Ω, nominal

Reflected Power

10/12 dB units: 4 Watts, max.

16/20 dB units: 50 Watts, max.

Mechanical & Environmental Specifications

Operating Temperature -55 to +85 °C