

High Power Directional Couplers

- Octave and Multi-octave Bands to 12 GHz
- 6, 10, 20 and 30dB Coupling
- Type N, SMA, and 2.92mm Connectors Available
- High Power, Low Insertion Loss
- Designed to meet MIL-DTL-15370
- Environmental Screening Available



Frequency Range (GHz)	Connectors	Model Number	Coupling (db, nom.)	Frequency Sensitivity (dB, max.)	Directivity (dB, min.)	Insertion Loss (dB, max.)	Main Line VSWR
							(x.xx:1, max.)
1.0 - 2.0	Type N jack	DC2-30N-1.5G	30 ± 1.0	± 0.75	18	0.2	1.15
2.0 - 4.0	Type N jack	DC2-30N-3.0G	30 ± 1.0	± 0.75	18	0.2	1.15
2.6 - 5.2	Type N jack	DC2-30N-4.0G	20 ± 1.0	± 0.75	18	0.2	1.20
4.0 - 8.0	Type N jack	DC2-30N-6.0G	30 ± 1.0	± 0.75	18	0.2	1.30
5.0 - 11.0	Type N jack	DC2-30N-8.0G	30 ± 1.0	± 0.50	15	0.2	1.30
7.0 - 11.0	Type N jack	DC1-30N-9.0G	30 ± 1.0	± 0.50	16	0.2	1.30
1.0 - 4.0	Type N jack	DC4-30N-2.0G	30 ± 1.0	± 0.60	15	0.2	1.15
1.5 - 4.5	Type N jack	DC3-30N-3.0G	30 ± 1.0	± 0.60	18	0.2	1.20
2.0 - 8.0	Type N jack	DC4-30N-5.0G	30 ± 1.0	± 0.60	16	0.2	1.30
1.0 - 11.0	Type N jack	DC11-35N-6.0G	30 ± 1.5	± 1.50	15	0.2	1.30
4.0 - 12.0	Type N jack	DC3-30N-8.0G	30 ± 1.0	± 0.60	15	0.2	1.30

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

Peak Power: 10 kW max.
CW Input Power: 600 W max.
Impedance: 50 Ω, nominal

Mechanical & Environmental Specifications

Operating Temperature -55 to +85 °C