

Wide Band Directional Couplers to 26.5 GHz

- Wide Bandwidth to 26.5 GHz
- 10, 16, 20dB Coupling
- 25 W Power Handling
- SMA, and 2.92mm Connectors Available 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	Coupled Line VSWR
							(x.xx:1, max.)	(x.xx:1, max.)
0.5 - 18.0	SMA jack	DC36-20S-9.2G	20 ± 1.00	± 1.0	14	1.3	1.40	1.50
0.5 - 18.0	SMA jack	DC36-30S-9.2G	30 ± 1.00	± 1.0	14	1.3	1.40	1.40
0.5 - 20.0	SMA jack	DC40-10S-10.2G	10 ± 1.00	± 1.0	14	1.3	1.35	1.35
0.5 - 26.5	SMA jack	DC53-10S-13.2G	10 ± 1.00	± 1.0	12	2.0	1.50	1.50
6.0 - 26.5	SMA jack	DC5-10S-16G	10 ± 1.00	± 0.5	14	1.0	1.45	1.45
1.7 - 26.5	SMA jack	DC16-16S-13.8G	16 ± 1.00	± 0.6	14	1.0	1.45	1.45

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

Coupled "Loss"

10 dB units: 0.460 dB

16 dB units: 0.080 dB

20 dB units: 0.044 dB

Input Power (Forward): 25 Watts, max.

Reflected Power

10/16 dB units: 5 Watts, max.

20/30 dB units: 50 Watts, max.

Mechanical & Environmental Specifications

Operating Temperature -55 to +85 °C