

## Low PIM High Power Directional Couplers

- Frequency bands 0.400 - 2.700 GHz
- 10, 15, 20, 30 and 40dB Coupling
- Type N, 7-16 (DIN) and 4.1-9.5 (Mini-DIN) Connectors Available
- Low Insertion Loss
- High Directivity

Frequency Range (GHz)	Connectors	Power (W, max.)	Coupling* (dB, nom.)	PIM (dBc)	Model Number	Directivity (dB, min.)	Coupled Loss (dB, max.)	Insertion Loss (dB, max.)	Main Line VSWR (x.xx:1, max.)
0.4 - 2.7	Type N jack	300	10 ± 1.0	< -160	AC7-10N-1.6G	20	0.4576	0.15	1.20
	7-16 jack	300			AC7-10D-1.6G				
	4.1-9.5 jack	300			AC7-10M-1.6G				
0.4 - 2.7	Type N jack	300	15 ± 1.0	< -160	DC7-15N-1.6G	20	0.1396	0.15	1.20
	7-16 jack	300			DC7-15D-1.6G				
	4.1-9.5 jack	300			DC7-15M-1.6G				
0.4 - 2.7	Type N jack	500	20 ± 1.0	< -160	AC7-20N-1.6G	20	0.0440	0.15	1.20
	7-16 jack	500			AC7-20D-1.6G				
	4.1-9.5 jack	500			AC7-20M-1.6G				
0.4 - 2.7	Type N jack	500	30 ± 1.0	< -160	DC7-30N-1.6G	20	0.0043	0.15	1.20
	7-16 jack	500			DC7-30D-1.6G				
	4.1-9.5 jack	500			DC7-30M-1.6G				
0.4 - 2.7	Type N jack	500	40 ± 1.0	< -160	DC7-40N-1.6G	20	0.0004	0.15	1.20
	7-16 jack	500			DC7-40D-1.6G				
	4.1-9.5 jack	500			DC7-40M-1.6G				

Note: Nominal Coupling refers to 700MHz – 2.7 GHz

Coupling is referenced to the input 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

### Mechanical & Environmental Specifications

Operating Temperature -55 to +85 °C