

Low PIM 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.)
0.400 - 2.700	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				
0.400 - 2.700	Type N jack	300	15 ± 1.0	< -160	AC7-15N-1.6G	20	0.1396	0.15	1.20
	7-16 jack	300			AC7-15D-1.6G				
	4.1-9.5 jack	300			AC7-15M-1.6G				
0.400 - 2.700	Type N jack	300	20 ± 1.0	< -160	AC7-20N-1.6G	20	0.0440	0.15	1.20
	7-16 jack	300			AC7-20D-1.6G				
	4.1-9.5 jack	300			AC7-20M-1.6G				
0.400 - 2.700	Type N jack	300	30 ± 1.0	< -160	AC7-30N-1.6G	20	0.0043	0.15	1.20
	7-16 jack	300			AC7-30D-1.6G				
	4.1-9.5 jack	300			AC7-30M-1.6G				
0.400 - 2.700	Type N jack	300	40 ± 1.0	< -160	AC7-40N-1.6G	20	0.0004	0.15	1.20
	7-16 jack	300			AC7-40D-1.6G				
	4.1-9.5 jack	300			AC7-40M-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