



Dual Directional Couplers

C2-A41, 40dB Dual Directional Coupler PIM optimized
Two section, dual directional airline (slabline) coupler.
7-16 DIN

Model	C2-A41	
Frequency range	2.4 - 2.8 GHz	
Coupling Value	40 dB +/- 1.0 dB	
Directivity	TYP	MIN
	30 dB	25 dB
Insertion Loss 500 MHz	TYP	MAX
	0.03 dB	0.07 dB
VSWR and (Return Loss) Input and Output Coupled Port	TYP	MIN
	1.07 (30 dB) 1.15 (23 dB)	1.12 (25 dB) 1.3 (17.7 dB)
Impedance	50 Ω	
Intermodulation IM3 (2 x 43 dBm carrier)	150 dBc	
Max. Power	1000 Watts	
Termination Max. Power	3 W Avg	
Connectors	7-16 DIN male/female and N female, flange with O-ring	
Material: Housing Inner Conductor & Connectors	Aluminum, Conversion Coating Brass, Silver Plated	
DC continuity Input ↔ Output Input ↔ Coupled Port	RF and DC RF only	
Weight approx	1.2 kg (2.64 lb)	



Single section, airline, Dual Directional Coupler covering applications in the 2400-2800 MHz band. Available with 7-16 DIN(m-f)/N(f) connectors, this design offers RF power ratings of 1000 Watts. Insertion loss is less than 0.1 dB, RL is better than 30 dB, coupling is 40 dB with directivity better than 25 dB across the entire band. These couplers are ideal for antenna power monitoring applications in base station installations and test stands.

- Low VSWR and Loss
- High reliability, Low PIM

Made in USA

