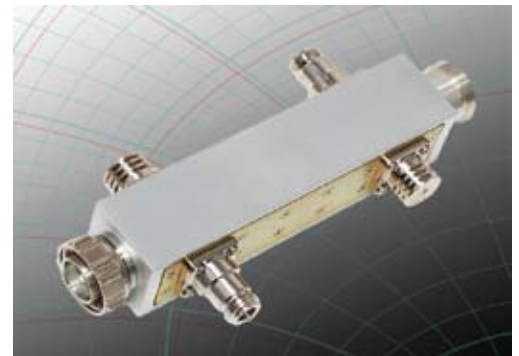


Dual Directional Couplers

C2-A03, 30dB Dual Directional Coupler PIM optimized
Two section, dual directional airline (slabline) coupler.
7-16 DIN

Model	C2-A03	
Frequency range	380 - 500 MHz	
Coupling Value	30 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)	160 dBc	
Max. Power	500 W Avg, 3KW Peak	
Termination Max. Power	3 W Avg	
Connectors	7-16 DIN male/female and N female	
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 wireless applications in the 380-500 MHz band. Available with 7-16 DIN(m-f)/N(f) connectors, this design offers RF power ratings of 500 Watts (2.5 kW peak). Insertion loss is less than 0.1 dB, RL is better than 30 dB, coupling is 30 dB with directivity better than 25 dB across the entire band. These couplers are ideal for antenna power monitoring applications in base station installations. The unit uses a one piece centr conductor with no joints or solder connections to assure lowest possible PIM.

- 500 W average power
- Low VSWR and Loss
- High reliability, Low PIM
- ROHS Compliant

Made in USA

