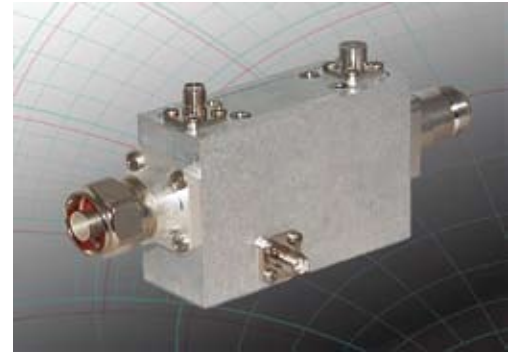


# Dual Directional Couplers

C2-A36, 50dB Forward, 43.5dB x2 Reverse, Dual Directional Coupler PIM optimized  
Single section, (slabline) coupler.  
TYPE N

Model	C2-A36	
Frequency range	824 - 894 MHz	
Coupling Value forward	50 dB +/- 0.5 dB	
reverse	2 x 43.5 dB +/- 0.5 dB	
Directivity	TYP	MIN
Isolation for (2) reverse coupler outputs > 20 dB	30 dB	25 dB
Insertion Loss	TYP	MAX
800 MHz	0.03 dB	0.07 dB
2170 MHz	0.05 dB	0.1 dB
VSWR and (Return Loss)	TYP	MIN
Input and Output	1.07 (30 dB)	1.12 (25 dB)
Coupled Port	1.15 (23 dB)	1.3 (17.7 dB)
Impedance	50 Ω	
Intermodulation IM3 (2 x 43 dBm carrier)	155 dBc	
Max. Power	500 W Avg, 3KW Peak	
Termination Max. Power	3 W Avg	
Connectors	Main male/female TYPE N, flange with O-ring Coupled ports - SMA female	
Material:		
Housing	Aluminum, Conversion Coating	
Inner Conductor & Connectors	Brass, Silver Plated	
DC continuity		
Input ↔ Output	RF and DC	
Input ↔ Coupled Port	RF only	
Temperature range	-25 to +75 °C	



R&D Microwaves LLC single section, airline, Dual Directional Coupler covering wireless applications in the 824 - 894 MHz band. Available with TYPE N connectors, this design offers RF power ratings of 500 Watts (3.0 kW peak). Insertion loss is less than 0.15 dB, RL is better than 25 dB, coupling is 50 dB with directivity better than 25 dB across the entire band. These couplers are ideal for antenna power monitoring applications in base station installations. Custom connectors configuration and enhanced directivity models available. Two isolated reverse coupled output ports are provided in this unit @ 43.5 dB each.

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

**Made in USA**

