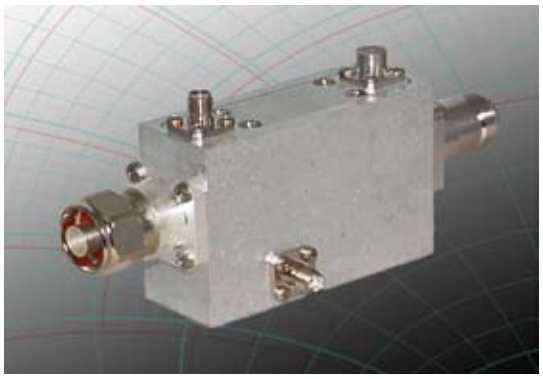
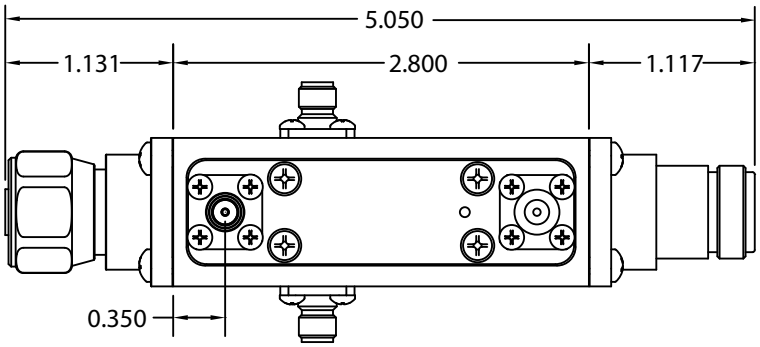
Dual Directional Couplers

C2-A39, 50dB Forward, 43.5dB x2 Reverse, Dual Directional Coupler PIM optimized
Single section, (slabline) coupler.
TYPE N

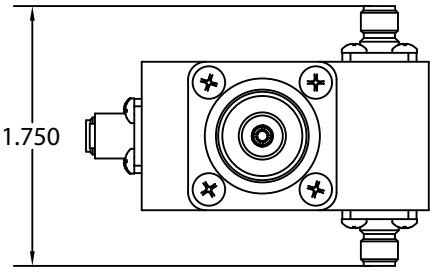
Model	C2-A39	
Frequency range	1850 - 1990 MHz	
Coupling Value forward reverse	50 dB +/- 0.25 dB 2 x 43.5 dB +/- 0.25 dB	
Directivity Isolation for (2) reverse coupler outputs > 20 dB	TYP 30 dB	MIN 25 dB
Insertion Loss 800 MHz 2170 MHz	TYP 0.03 dB 0.05 dB	MAX 0.07 dB 0.1 dB
VSWR and (Return Loss) Input and Output Coupled Port	TYP 1.07 (30 dB) 1.15 (23 dB)	MIN 1.12 (25 dB) 1.3 (17.7 dB)
Impedance	50 Ω	
Intermodulation IM3 (2 x 43 dBm carrier)	155 dBc	
Max. Power	300 W Avg, 3KW Peak	
Termination Max. Power	3 W Avg	
Connectors	male/female TYPE N, 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	
Temperature range	-25 to +75 °C	
Weight approx	TBD	



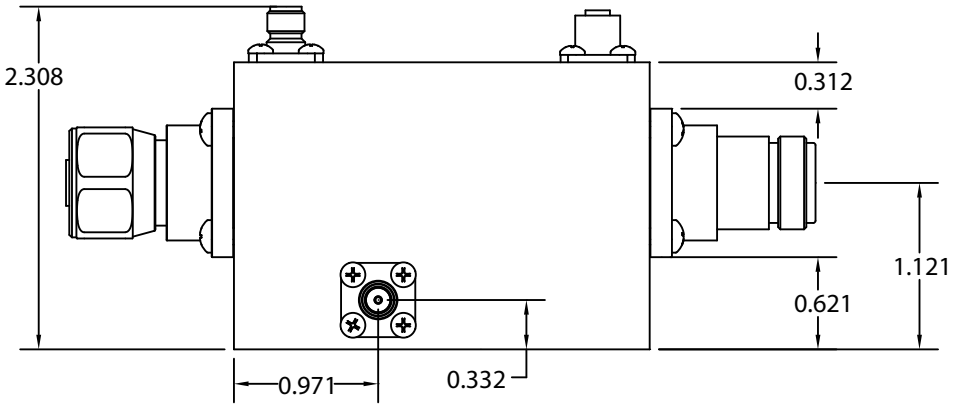
R&D Microwaves LLC single section, airline, Dual Directional Coupler covering wireless applications in the 1850 - 1990 MHz band. Available with TYPE N connectors, this design offers RF power ratings of 300 Watts (3.0 kW peak). Insertion loss is less than 0.15 dB, RL is better than 25 dB, coupling is 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.

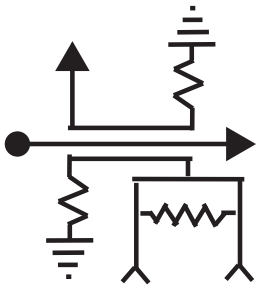


Made in USA



Coupling Cal data provided on label for forward and reverse ports





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