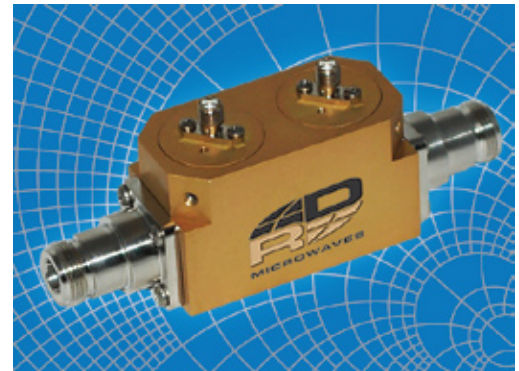


Dual Directional Couplers

CL-A05, 50dB Dual Directional Loop Coupler PIM optimized

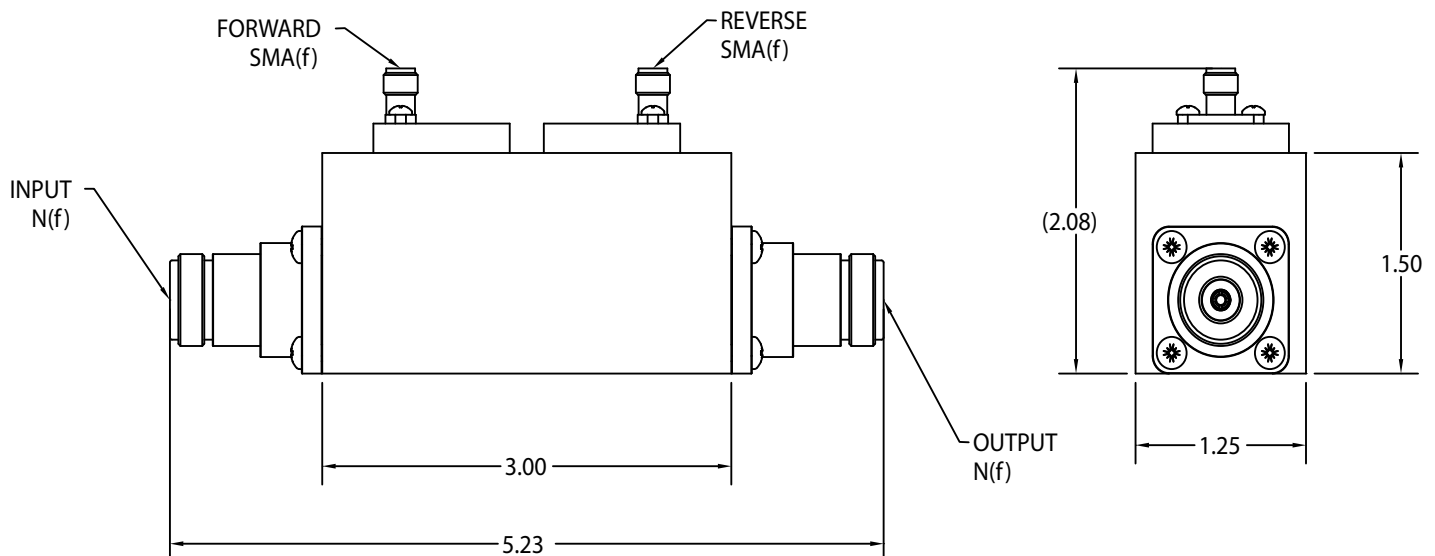
Model	CL-A05	
Frequency range	380 - 870 MHz	
Coupling Value forward	50 dB +/- 1.0 dB	
reverse	50 dB +/- 1.0 dB	
Directivity Isolation for (2) reverse coupler outputs > 20dB	TYP	MIN
	25 dB	20 dB
Insertion Loss	TYP	MAX
	0.05 dB	0.1 dB
VSWR and (Return Loss)	TYP MIN	
Input and Output	1.15 (23 dB)	1.35 (16.5 dB)
Impedance	50 Ω	
Intermodulation IM3 (2 x 43 dBm carrier)	155 dBc	
Max. Power	500 W Avg, 10KW Peak	
Connectors	TYPE N female, flange with O-ring	
Material:	Aluminum, Conversion Coating	
Housing	Brass, Silver Plated	
Inner Conductor & Connectors		
DC continuity	RF and DC	
Input \leftrightarrow Output	RF only	
Input \leftrightarrow Coupled Port		
Weight approx	TBD	

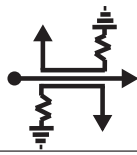


R&D Microwaves LLC single Dual Directional Loop Coupler covering wireless applications in the 380-870 MHz band. Available with TYPE N connectors, this design offers RF power ratings of 500 Watts (10.0 kW peak). Insertion loss is less than 0.15 dB, RL is better than 25 dB, coupling is 50 dB with directivity 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.

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

Made in USA.





Dual Directional Couplers

CL-A05, 50dB Dual Directional Loop Coupler PIM optimized
Test data

