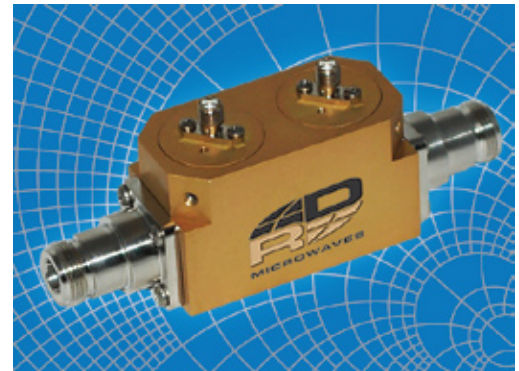


# Dual Directional Couplers

CL-A06, 40dB Dual Directional Loop Coupler PIM optimized

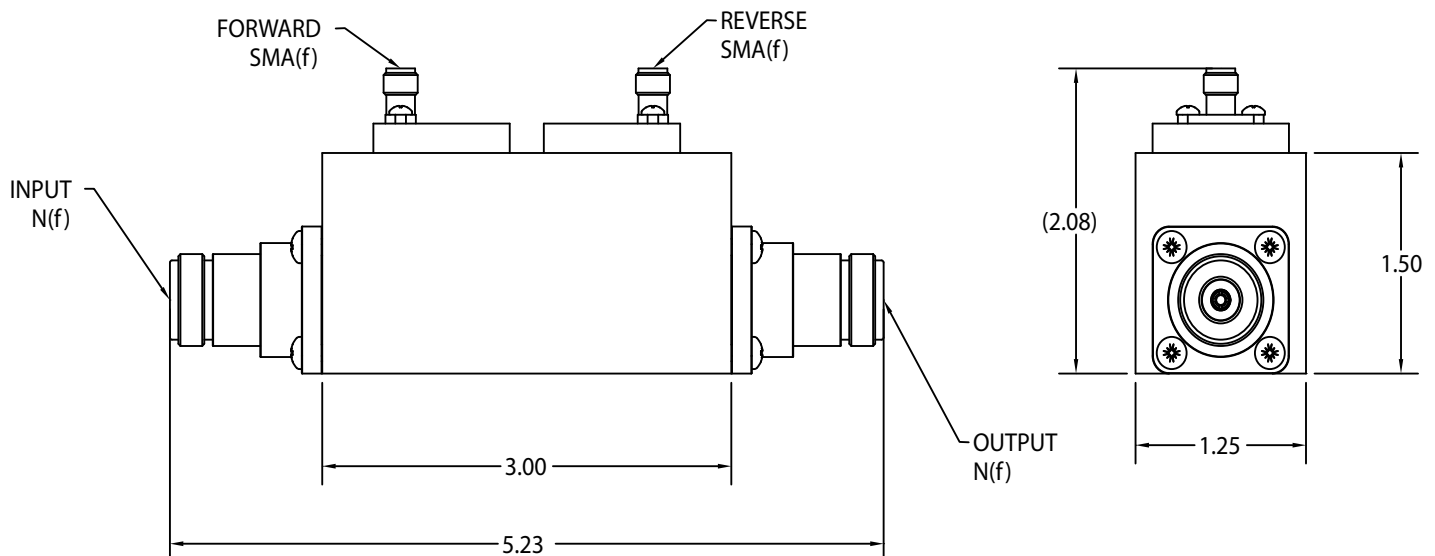
Model	CL-A06	
Frequency range	380 - 870 MHz	
Coupling Value forward	40 dB +/- 1.0 dB	
reverse	40 dB +/- 1.0 dB	
Directivity Isolation for (2) reverse coupler outputs > 20dB	TYP	MIN
	25 dB	20 dB
Insertion Loss	TYP	MAX
	0.05 dB	0.1 dB
VSWR and (Return Loss)	TYP	MIN
	1.15 (23 dB)	1.35 (16.5 dB)
Impedance	50 $\Omega$	
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:		
Housing	Aluminum, Conversion Coating	
Inner Conductor & Connectors	Brass, Silver Plated	
DC continuity		
Input $\leftrightarrow$ Output	RF and DC	
Input $\leftrightarrow$ Coupled Port	RF only	
Weight approx	TBD	

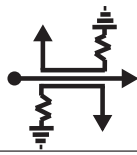


R&D Microwaves LLC single Dual Directional Loop Coupler covering wireless applications in the 380-870 MHz band. Available with TYPE N connectors, this design offers RF power ratings of 500 Watts (10.0 kW peak). Insertion loss is less than 0.15 dB, RL is better than 25 dB, coupling is 40 dB with directivity better than 25 dB across the entire band. These couplers are ideal for antenna power monitoring applications in base station installations. 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-A06, 40dB Dual Directional Loop Coupler PIM optimized  
Test data

