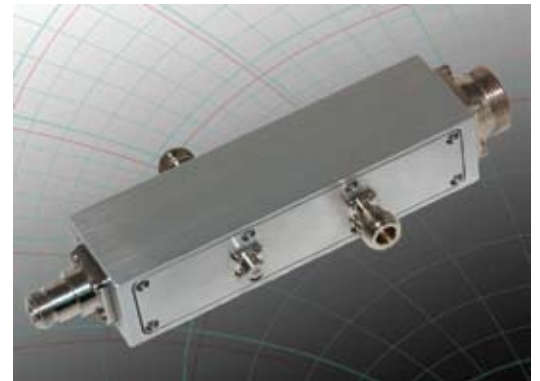


# Dual Directional Couplers

C2-A66, 40dB Dual Directional Coupler PIM optimized  
 Two section, dual directional airline (slabline) coupler.  
 7-16 DIN Patent Pending

Model	C2-A66	
Frequency range	2 - 4 GHz	
Coupling Value	40 dB +/- 1.0 dB	
Directivity	TYP	MIN
	25 dB	18 dB
Insertion Loss	TYP	MAX
	800 MHz 2170 MHz	0.03 dB 0.05 dB
VSWR and (Return Loss) Input and Output Coupled Port	TYP	MIN
	1.07 (30 dB) 1.15 (23 dB)	1.15(23 dB) 1.35 (16.6 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	N female and 7-16 DIN female , 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	
Weight approx	1.2 kg (2.64 lb)	



The Model C2-A66 is a single section directional airline coupler, dual for forward and reverse coupling over the frequency range 2 - 4 GHz. It is designed for high power and low insertion loss, with excellent PIM performance, in a rugged and reliable coaxial package. It is supplied with type a Type N female input connector and a 7-16 DIN output connector, with type N coupled port connectors. The unit is supplied with 40dB forward and reverse coupling values. This model is the same as other standard models such as the popular C2-A02 except with a shortened coupling section and different connector types.

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

**Made in USA.**

