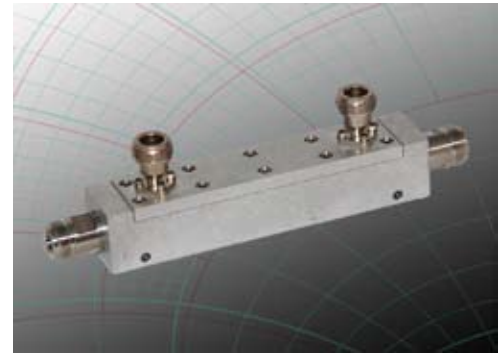




# Single Directional Couplers

Model C1-A68

Model	C1-A68	
Frequency range	700 - 13,000 MHz	
Coupling Accuracy	1-13 GHz	10 ± 1.0 dB
incl. flatness	0.7-1 GHz	11 ± 1.0 dB
Directivity	0.7-3.0 GHz	18 dB
(typical)	3.0-6.0 GHz	17 dB
	6.0-13.0 GHz	10 dB
Insertion Loss	DC - 3 GHz	0.15 dB
	3 - 8 GHz	0.30 dB
	8 - 13 GHz	0.60 dB
VSWR and (Return Loss)	0.7-3.0 GHz	18 dB
(typical)	3.0-6.0 GHz	17 dB
	6.0-13.0 GHz	10 dB
Impedance	50 Ω	
Intermodulation IM3 (2 x 43 dBm carrier)	160 dBc	
Max. Power	800 W Avg, 1 KW Peak	
Connectors	Type N (f) (SMA, BMC optional)	
Material: Housing Inner Conductor & Connectors	Aluminum, Conversion Coating Brass, Silver Plated	
DC continuity		
Input ↔ Output	RF and DC	
Input ↔ Coupled Port	RF only	



The Model C1-A68 single directional coupler covers applications in the 700-13,000 MHz frequency range with high power, low insertion loss, very high directivity, and excellent PIM performance that is inherent with airline coaxial design and construction. The unit is designed for mode free performance up to 13 GHz. The unique multisection suspended slab-line construction yields the lowest possible insertion loss with high power handling.

**Made in USA.**

- 100 W average power
- Low VSWR and Loss
- High reliability, Low PIM
- ROHS Compliant
- Mode free to 13 GHz

