



# Single Directional Couplers

Model C1-A55

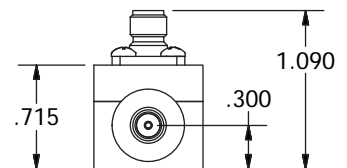
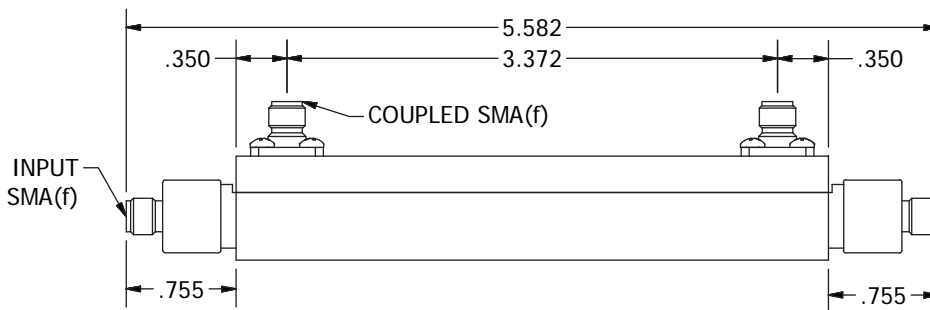
C1-A55			
Frequency Range:	698 - 2800 MHz		
Coupling Accuracy:	10±0.5 dB		
Coupling Flatness (20 MHz):	±0.8 dB		
Directivity:	TYP	MIN	
	20 dB	17 dB	
Insertion Loss	1-4 GHz:	0.25 dB	
	DC-19 GHz:	2 dB	
VSWR and Return Loss	TYP	MIN	
	Input and Output:	1.07 (30 dB)	1.12 (25 dB)
	Coupled Port:	1.15 (23 dB)	1.3 (17.7 dB)
Impedance:	50 Ω		
Intermodulation IM3: (2x42 dBm carrier)	160 dBc		
Maximum Power:	100 W Avg, 1 kW Peak		
Termination Max. Power(opt.):	10 W		
Connectors:	SMA(f)		
Material:	Aluminum, Conversion Coating		
Housing	Brass, Silver Plated		
DC continuity:			
Input ↔ Output	RF and DC		
Input ↔ Coupled Port	RF Only		



The Model C1-A55 single directional coupler covers applications in the 698-2800 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 19 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 19 GHz



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