

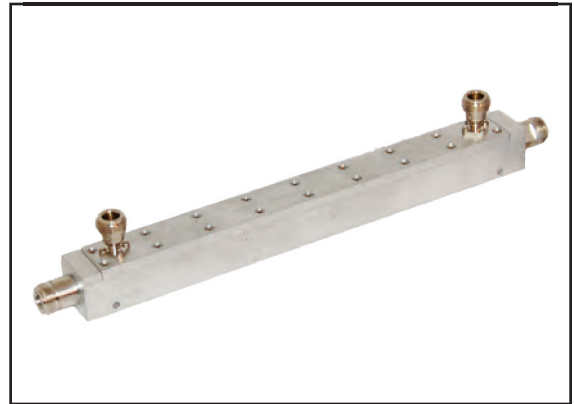


Single Directional Couplers

Made in USA.

C1-A60D-8, 10, 20, 30 dB

Model	C1-A60D-XX-X-X		
Frequency Range:	400 - 13,000 MHz		
Coupling (incl. freq. sens.): (20 MHz flatness)	8, 10, 20, 30 ± 1.0 dB ± 0.2 dB over any 20 MHz B.W. 400-6000 MHz (10, 20, 30 dB) ± 0.2 dB over any 20 MHz B.W. 400-3800 MHz (8 dB)		
Frequency Range:	0.4-3.8 GHz	3.8-8.0 GHz	8.0-13.0 GHz
Freq. Sensitivity, 8dB:	± 0.6 dB	N/A	N/A
10, 20, & 30 dB:	± 0.8 dB		
Directivity, dB (8 dB):	20 (17)	18	15
Insertion Loss, dB (8 dB):	0.25 (1.2)	0.4 (1.5)	0.7 (1.8)
Return Loss, dB (8 dB):	20 (15)	18 (15)	15 (12)
Coupled Port, dB (8 dB):	20 (15)	15 (N/A)	10 (N/A)
Impedance:	50 Ω		
Intermodulation IM3 (2x43 dBm Carrier)	160 dBc		
Max. Power:	500 W Avg, 1 kW peak		
Connectors:	Type N (f)		
Material:	Aluminum, Silver Plated		
Housing	Brass, Silver Plated		
Inner Conductor & Connectors	Paint, RAL1013 (Oyster White)		
Finish:			
DC continuity:	RF and DC Only		
Input ↔ Output	RF Only		
Input ↔ Coupled Port			

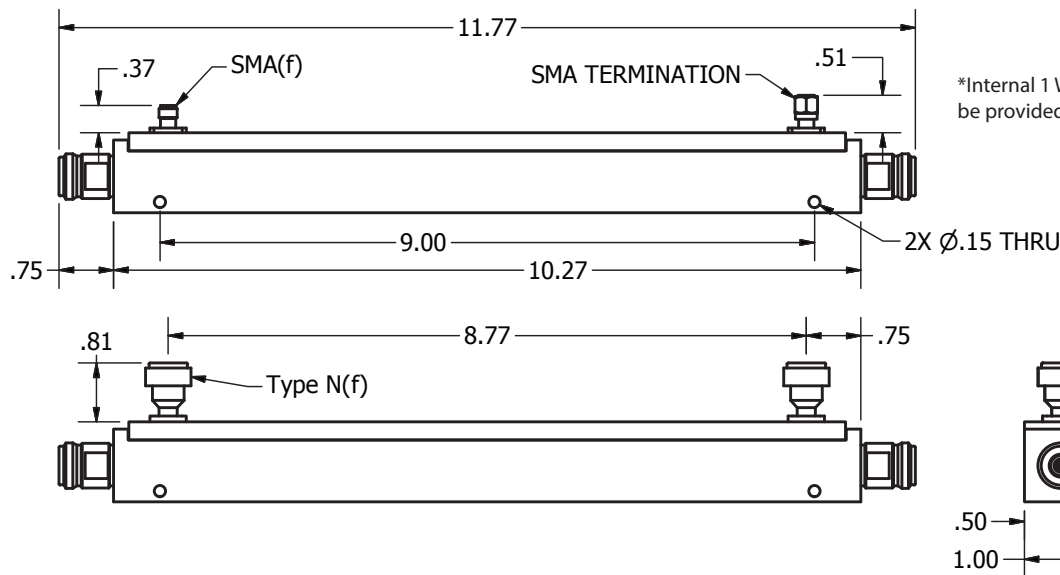


The Model C1-A60D Single Directional Coupler covers applications in the 400-13,000 MHz frequency range with high power, low insertion loss, very high directivity, and excellent PIM performance that is inherent with airline coaxial design and construction. The unit is designed for mode free performance up to 13 GHz. The unique multisection suspended coaxial construction yields the lowest possible insertion loss with high power handling.

C1-A60D-XX-X-X

coupling: 10, 20, 30
 coupled port connector
 N: Type N
 S: SMA
 Termination
 T: SMA Termination*
 Omit for no termination

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



*Internal 1 Watt SMA Termination can be provided with 20 and 30 dB models



R&D Microwaves LLC, 301 Rockaway Valley Road, Boonton, NJ 07005 USA
 Tel. 908.212.1696 www.rdmicrowaves.com
 email: sales@rdmicrowaves.com

Rev 2.7
 4/19/2016

