



Directional Coupler, CC-xx series

Low Loss Stripline Coupler
575 - 2,700 MHz, N-type, 7/16 DIN & 4.3-10
Rev. D

- ◆ Standard bandwidth for commercial wireless signal distribution applications
- ◆ Flat response 575 to 2700 MHz
- ◆ Minimal RF Insertion Loss
- ◆ Available in N-type, 7/16 DIN, & 4.3-10
- ◆ Rugged, High Reliability, RoHS
- ◆ Guaranteed Low PIM
- ◆ 300 Watt Average Power



Model CC-06E



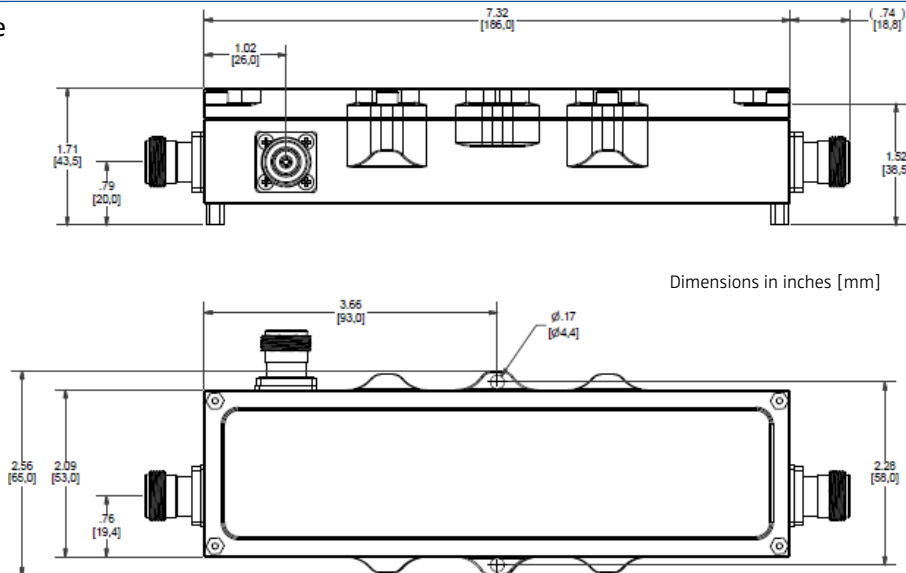
The CC-xx series of Directional Coupler is a tapered stripline design covering from 575 to 2,700 MHz. Units couple off a defined fraction of signal with minimal reflections or loss. Availability in a wide range of coupling values makes this series useful in optimizing the signal distribution required in passive distributor radio access network(D-RAN).

The extremely wide frequency range allows use with multi-band antennas, leaky cable systems and wireless base stations. With minimal solder joints and a low loss dielectric, the dissipative loss has been minimized and reliability enhanced.

Frequency: 575 to 2,700 MHz
 VSWR, all ports: 1.25:1 max.
 PIM: -161 dBc (-118 dBm) min.
 (Tested with 2x +43 dBm tones)
 Power: 300 W avg., 1 kW pk*
 Impedance: 50Ω nom.
 Environment: -35°C to +75°C, IP67
 Housing Finish: Gray paint
 Connectors: N-type, 7/16 DIN, or 4.3-10
 Female Triplate
 Weight, nom: 1.6 lb, (0.73 kg)
 *Power may be limited by feeding into poorly matched loads overloading the termination.

7/16 DIN	Part Number		Coupling nom.	Frequency Sensitivity	Directivity	Coupled Loss, max.	Dissipative Loss, dB
	N-type	4.3-10					
CC-05D	CC-05N	CC-05E	5 dB	±0.8 dB	>20 dB	1.65 dB	<0.25
CC-06D	CC-06N	CC-06E	6 dB	±0.8 dB	>20 dB	1.25 dB	<0.25
CC-07D	CC-07N	CC-07E	7 dB	±0.8 dB	>20 dB	0.97 dB	<0.25
CC-08D	CC-08N	CC-08E	8 dB	±0.8 dB	>20 dB	0.84 dB	<0.25
CC-10D	CC-10N	CC-10E	10 dB	±0.8 dB	>20 dB	0.45 dB	<0.25
CC-13D	CC-13N	CC-13E	13 dB	±0.8 dB	>20 dB	0.22 dB	<0.25
CC-15D	CC-15N	CC-15E	15 dB	±0.8 dB	>20 dB	0.14 dB	<0.25
CC-20D	CC-20N	CC-20E	20 dB	±0.8 dB	>20 dB	0.04 dB	<0.25
CC-30D	CC-30N	CC-30E	30 dB	±0.8 dB	>20 dB	0.01 dB	<0.25

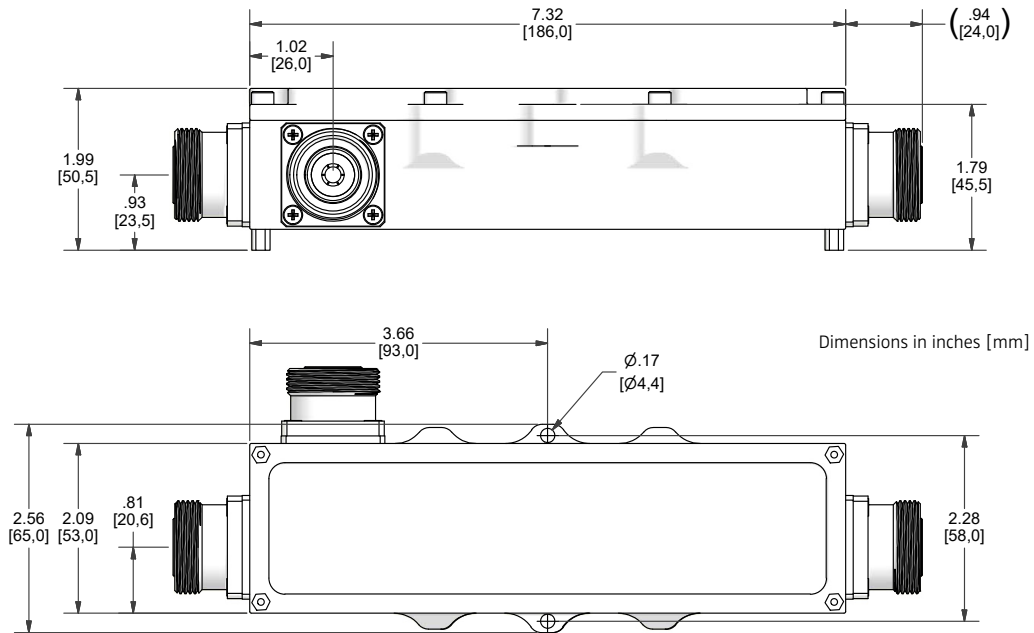
CC-xxN Outline



Note: Specifications are subject to change without prior notification.

14NOV2019

CC-xxD Outline



CC-xxE Outline

