

- ◆ Standard bandwidth for commercial wireless signal distribution applications
- ◆ Flat response from 575 to 2700 MHz
- ◆ Guaranteed Low PIM
- ◆ 300 Watt Average Power
- ◆ Available in N-type & 4.3-10
- ◆ RoHS Compliant



Model CC-06E



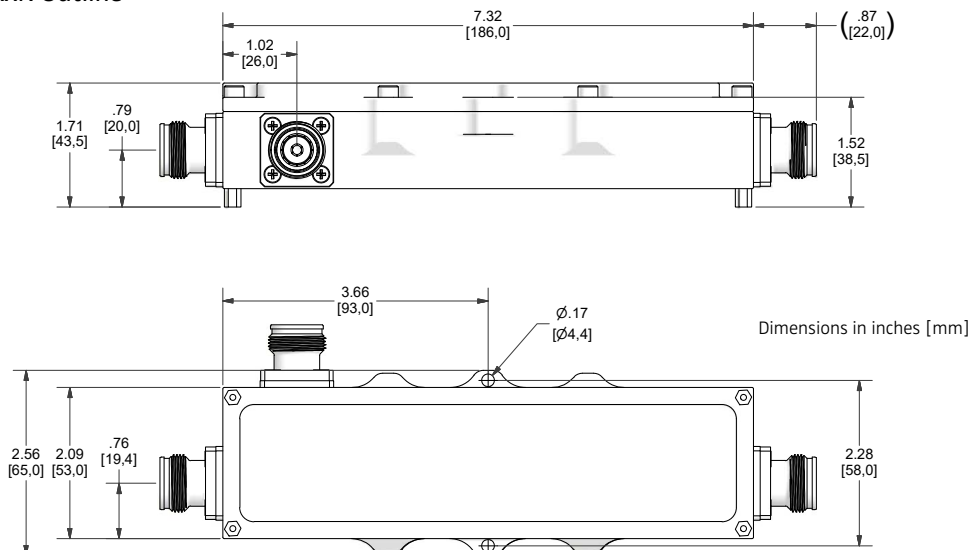
The CC-xx series of directional coupler is a tapered stripline design covering from 575 to 2,700 MHz. The units couple off a defined fraction of signal with high directivity and minimal loss. Availability in a wide range of coupling values makes this series useful in optimizing the signal distribution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

The wide frequency range enables applications with multiband 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.

4.3-10 Parts	N-type Parts	Coupling nom.	Coupled Loss max.
CC-05E	CC-05N	5 dB	1.65 dB
CC-06E	CC-06N	6 dB	1.25 dB
CC-07E	CC-07N	7 dB	0.97 dB
CC-08E	CC-08N	8 dB	0.84 dB
CC-10E	CC-10N	10 dB	0.45 dB
CC-13E	CC-13N	13 dB	0.22 dB
CC-15E	CC-15N	15 dB	0.14 dB
CC-20E	CC-20N	20 dB	0.04 dB
CC-30E	CC-30N	30 dB	0.01 dB

Frequency: 575 to 2,700 MHz
 VSWR: 1.25:1 max., all ports
 PIM: -161 dBc (-118 dBm) min.
 (Test with 2x 1900MHz, +43 dBm tones @ ambient)
 Power: 300 W avg., 1 kW pk*
 Dissipative Loss: 0.25 dB max.
 Sensitivity: ± 0.8 dB
 Directivity: 20 dB min.
 Impedance: 50 Ω nom.
 Environment: -35°C to +75°C, IP67
 Housing Finish: Gray paint
 Connectors: 4-hole flange, N-type(f)/4.3-10(f)Triplate
 Dimensions: 7.32 x 2.56 x 1.71 in
 [186 x 65 x 43.5 mm]
 Weight, nom: 1.6 lb, (0.73 kg)
 *Power may be limited by feeding into poorly matched loads overloading the termination.

CC-xxE & CC-xxN Outline



Note: Specifications are subject to change without prior notification.

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