



10dB Directional Coupler 700 – 2700 MHz

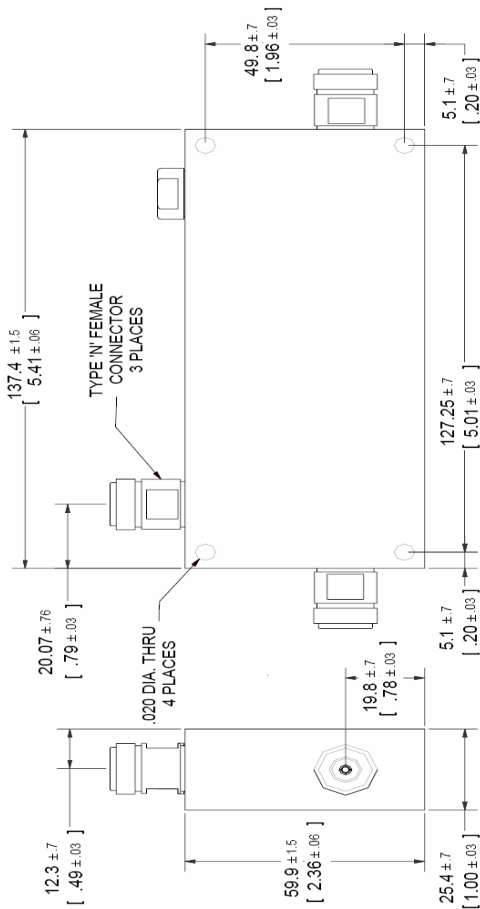
- Ultra wide band, taper design
- 10 dB Coupling
- Minimal RF Insertion Loss
- Rugged, High Reliability
- Low Passive Intermod. (PIM)
- 200 Watt Average Main Line
- N Connector



Model No.	Coupling nom.	Freq. Sensitivity	Coupled Loss	Insertion Loss	Connector
CD10E-700/2700	10 dB	± 1.0 dB	0.45 dB	< 0.20 dB	in : NF out : NF

The CDxE series of Directional Couplers is a tapered stripline design for indoor applications covering all the wireless services from 698 to 2700 MHz. Units couple off a defined fraction of signal with minimal reflections or loss. The extremely wide frequency range allows use with multiband antennas and 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 Range: 700 to 2,700 MHz
 VSWR, all ports: 1.20:1 max.
 Power Rating: 200 W avg., 1.5 kW pk*
 Directivity: 20 dB min.
 Impedance: 50Ω nominal
 Intermod., PIM: <-140 dBc, 2 x +43 dBm
 Environment: 0°C to +50°C, IP65
 Finish: Body/Conns: Passivated Alum/Silver plated
 Weight, nominal: 0.67 kg (24 oz)
 *Power may be limited by feeding into poorly matched loads overloading the termination.



Specifications subject to change without notice