

\$ Saver Product Line

- ◆ Ultra wide-band, multi-section design
- ◆ Flat response 698 to 2700 MHz
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability, RoHS
- ◆ Low Passive Intermodulation (PIM)
- ◆ 300 Watt Average Main Line Power



Model CP-18N

The CP-10 series of Directional Couplers is a tapered stripline design covering from 698 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 power distribution required in passive in-building distributed antenna systems (DAS).

The extremely wide frequency range allows use with multi-band 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.

For 380 to 2700 MHz band requirements see Microlab DN series of Tappers, which offer alternate benefits in many in-building applications. (4/14_1)

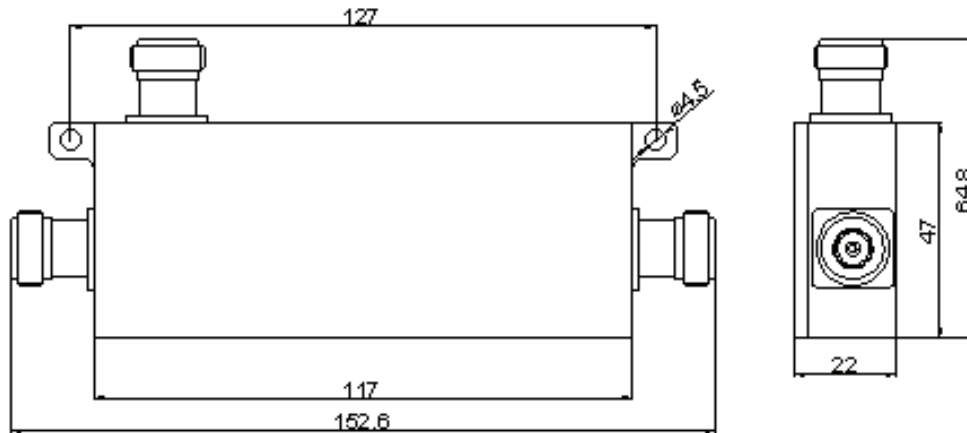
Frequency:	698 to 2,700 MHz
VSWR, all ports:	1.25:1 max.
Intermod., PIM:	<-150 dBc, (2 x +43 dBm @1850 MHz) <-153 dBc, typical
Power Rating:	300 W avg., 1 kW pk*
Impedance:	50Ω nominal
Environment:	-35°C to +85°C, IP65
Housing Finish:	Black paint
Connectors:	7-16 DIN (f) or N-Type (f) Triplate

*Power may be limited by feeding into poorly matched loads overloading the termination.

Part Number 7-16 mm	Part Number N conn	Coupling nom.	Frequency Sensitivity	Directivity typical	Coupled Loss	Dissipative Loss, dB	Weight oz (kg) nom DIN N	
CP-11D	CP-11N	5 dB	±1.0 dB	>20 dB	1.65 dB	<0.25	26 (0.75)	11 (0.30)
CP-16D	CP-16N	6 dB	±1.0 dB	>20 dB	1.25 dB	<0.25	26 (0.75)	11 (0.30)
CP-12D	CP-12N	7 dB	±1.0 dB	>20 dB	0.97 dB	<0.25	26 (0.75)	11 (0.30)
CP-17D	CP-17N	10 dB	±1.0 dB	>20 dB	0.45 dB	<0.25	26 (0.75)	11 (0.30)
CP-15D	CP-15N	15 dB	±1.0 dB	>20 dB	0.14 dB	<0.25	26 (0.75)	11 (0.30)
CP-18D	CP-18N	20 dB	±1.0 dB	>20 dB	0.04 dB	<0.25	26 (0.75)	11 (0.30)
*CP-19D	*CP-19N	30 dB	±1.0 dB	>20 dB	0.01 dB	<0.25	26 (0.75)	11 (0.30)

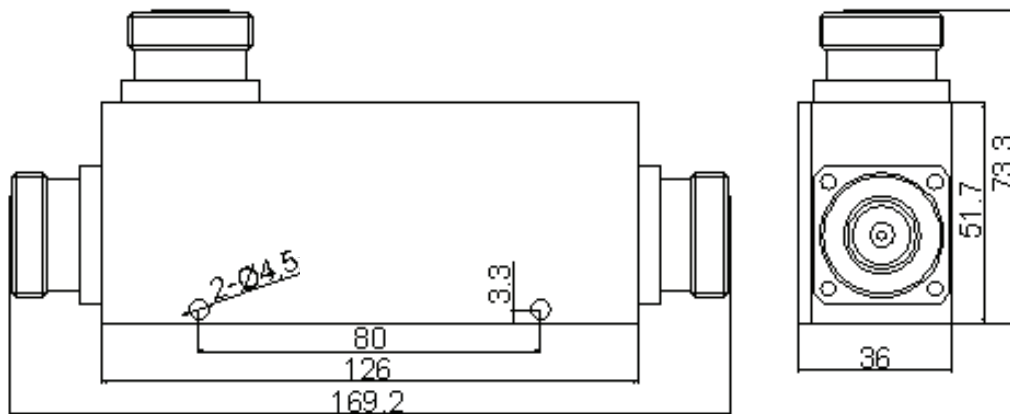
***Models in development**

Microlab Model CP-10N Series



Dimensions in mm.

Microlab Model CP-10D Series



Dimensions in mm.