

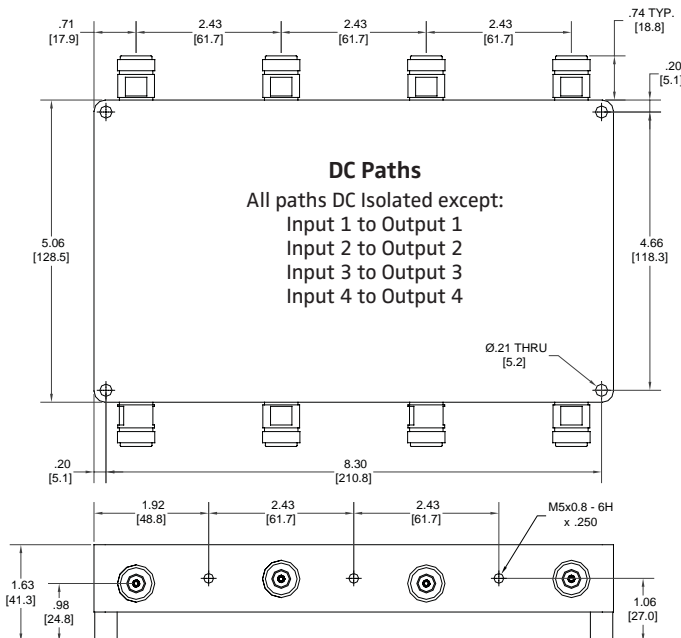
- ◆ Low PIM Hybrid Combiner, 4 x 4
- ◆ High Isolation, Low VSWR and Loss
- ◆ Dual Band Range for combining Tetra/SMR/Cellular/GSM
- ◆ 100 W/Input Average Power Rating
- ◆ High Reliability, Moisture sealed
- ◆ RoHS compliant
- ◆ Convenient connector spacing



Model Nos./Connectors	Frequency Range, MHz	Coupling/Loss (Any Path)	Input Isolation	Input VSWR	Power per Input	Weight lbs (kg) nom
CM-99D CM-99N	380 - 900 900 - 960	6.2 ± 1.0 dB	>23 dB >20 dB	<1.20:1	100W avg., 3 kW	5.0 (2.3)

This 4 x 4 Hybrid Coupler covers the 380 - 960 MHz range of frequencies with high isolation and low passive inter-modulation (PIM) in either N or 7-16 mm connectors. A similar 2 x 2 model is available as a CA-99N.

These networks provides simple combining of 2 or 4 independent signals in the specified wireless band to a common feeder cable, as might be required in a radio base station or in a neutral host in-building distributed antenna system. The unused hybrid ports must be terminated at the appropriate power rating. Note that these models use hybrid designs that are not true 90° Quadrature Hybrids. (01/13)



Impedance:	50Ω nominal
Temperature:	-35° -+65°C
Environment:	IP64 (IP67 to order)
PIM*:	<-140 dBc, (with +43 dBm x2)
Finish:	
Housing:	RoHS coated Al
Connectors:	N(f) Triplate
Mounting:	Bracket supplied
	*measured with low PIM loads

All dimensions ±0.60 inches unless otherwise noted.