

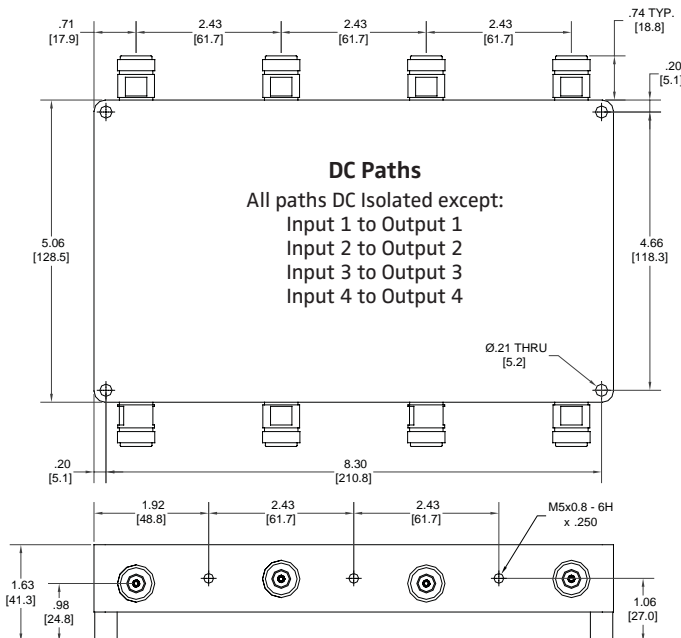
- ◆ Low PIM Hybrid Combiner, 4 x 4
- ◆ High Isolation, Low VSWR and Loss
- ◆ Dual Band Range for combining Tetra/SMR/Cellular/GSM
- ◆ 100 W/Input Average Power Rating
- ◆ High Reliability, Moisture sealed
- ◆ RoHS compliant
- ◆ Convenient connector spacing



| 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.