

Product Line Discontinued, but may be available to special order

- ◆ Connects 3 inputs to 1 output with minimal interaction
- ◆ Just 4.8 dB loss per channel
- ◆ Up to 25 dB Isolation, Low VSWR
- ◆ Low and High Wireless Bands
- ◆ 100W/input avg Power Rating
- ◆ RoHS Compliant



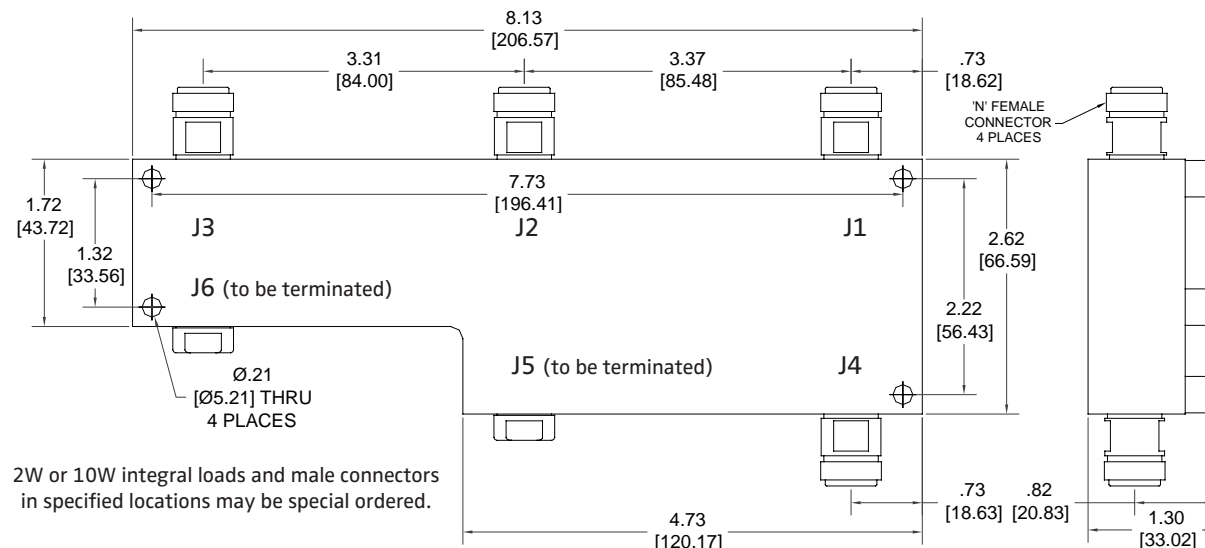
Model No/Connector N (f)	7-16 mm (f)	Frequency Range, MHz	Coupling Variation	Isolation dB	Input VSWR	Max Power per input	Weight, nom. lbs. (kg) N conn. 7-16 mm
CM-73N	CM-73D	1,710 - 2,000	±0.25 dB	>25 dB	<1.20:1	100W avg.	1.7 (0.8) 1.95 (0.9)
		2,000 - 2,200	±0.25 dB	>23 dB	<1.25:1		
		2,200 - 2,500	±0.75 dB	>20 dB	<1.30:1		
CM-83N	CM-83D	698 - 2,500	±0.75 dB	>23 dB	<1.20:1	60W avg.	1.95 (0.9) 2.15 (0.95)
		2,500 - 2,700	±0.75 dB	>23 dB	<1.30:1		

A 3:1 Hybrid Combiner is a network of two hybrid couplers. Two inputs feed a 3dB hybrid whose output is fed to the 1.8 dB coupling arm of a 4.8 dB hybrid coupler, whose main line is the third input. The 2 unused N connector ports must be terminated in 50Ω at the appropriate power rating.

This network combines 3 independent signals in the same wireless band with minimum loss, to a common feeder cable, as might be required in a radio base station or in a neutral host in-building distributed antenna system. (01/13)

Coupling, any path: 4.8 dB nominal
DC Path: J3 to J4 only 1A max.
Impedance: 50Ω nominal
Peak Power Rating: 3 kW
Environment: -35° to +65°C, IP64 (IP67 to order)
PIM (Intermodulation): <-150 dBc (with (using low PIM loads) +43 dBm x2 tones)
Connectors Finish: Silver or triplate

CM-83N Outline with optional built in 2W loads



Outline for CM-73D
