

- ◆ Provides 67% : 33% power split
- ◆ Single DC path from Inputs
- ◆ Guaranteed PIM performance
- ◆ High Isolation, Low VSWR and loss
- ◆ 200 Watt Average Power Rating
- ◆ High Reliability, IP65
- ◆ RoHS compliant
- ◆ Convenient connector spacing and easy mounting to pole or wall



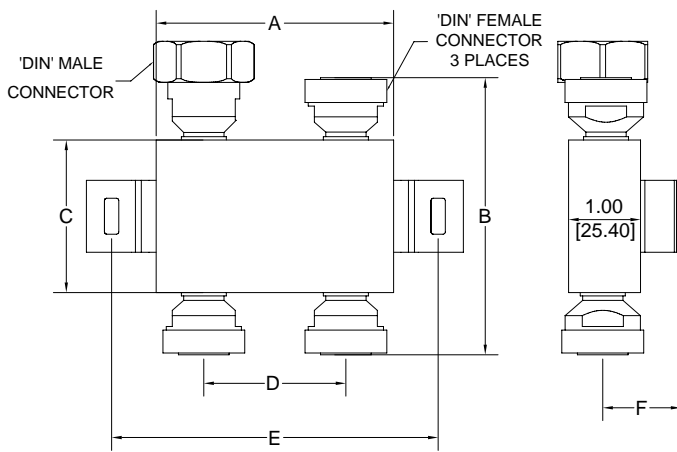
The 4.8dB Hybrid Coupler is been designed to meet the special needs of the wireless market. It enables the unequal division or combination of two signals in the wireless bands. Required is the termination of one output in 50Ω and results in a 1.8 dB loss in the main line signal and a 4.8 dB in the coupled line. A true three way 4.8 dB per path hybrid combiner is formed when this unit is combined with a standard 3 dB Hybrid Coupler.

Isolation is maximized while passive intermodulation (PIM) is minimized. Mechanically they are passivated aluminum housings, moisture sealed for outside applications to meet IP65. Connectors, in either N or 7- 16 mm styles, are spaced to allow controlled wrench tightening. (8/08)

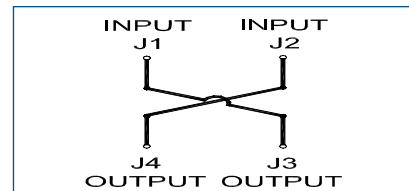
Impedance:	50Ω nominal
Environment:	-35°C to +65°C, IP65
PIM (Intermod):	<-140dBc, <-150 dBc to order (test at +43dBm x2)
Housing:	Passivated aluminum
Connectors:	Triplate 3 female, 1 male

Model/Connectors	Frequency Range, MHz	Isolation dB	Sensitivity dB	Dissipative Loss, dB	VSWR Max	Max. Power Avg.	Max. Power Peak
CA-63D CA-63N	700 - 960	>30	±0.25	<0.2	1.15:1	200W	3.0 kW
CA-73D CA-73N	1,700 - 2,200	>27	±0.25	<0.2	1.15:1	200W	3.0 kW
CA-83D CA-83N	700 - 2,200 2,200 - 2,700	>27 >22	±0.60	<0.2	1.20:1	120W	1.5 kW

To order unit with all female connectors use the suffix -FN or -FD. For example CA-73FD.



Dimension Tolerance Note
All dimensions ±0.60 inches unless otherwise noted. Dimensions in mm are for reference only.



	Dimensions and Weight:		
	Inches [mm]; Wt: oz [g] nom.		
	CA-63D	CA-73D	CA-83D
A	3.41 [87]	3.30 [84]	4.75 [121]
B	3.35 [85]	3.85 [98]	3.48 [88]
C	1.62 [41]	2.12 [54]	1.75 [44]
D	2.00 [51]	1.97 [50]	3.36 [85]
E	4.54 [115]	4.54 [115]	5.99 [152]
F	1.06 [27]	1.09 [28]	1.04 [26]
Wt.	17.7 [495]	18 [504]	21.8 [610]