

- ◆ Multi-Band Range including Tetra, Cellular, PCS, WiFi to 6 GHz
- ◆ High Isolation, Low VSWR and Loss
- ◆ Guaranteed PIM performance
- ◆ 200 Watt Average Power Rating
- ◆ High Reliability, Moisture sealed
- ◆ RoHS compliant
- ◆ N or 7-16 mm DIN connectors



Microlab Model Hybrid Couplers have been designed to meet the special needs of the wireless market. They are most commonly used to combine two wireless carriers in the operating band to a single antenna feed or distribution cable. This requires the termination of one output port in 50Ω and results in a 3 dB loss in each signal. In situations where two similar feeds are required, as required for an in-building application, both outputs may be used eliminating the need for a termination and the 3 dB loss.

The CA-13 series has been designed for systems requiring signal combining over all the wireless bands from 350 to 6,000 MHz. Mechanically they are moisture sealed for outside applications to meet IP65. (12/09)

Frequency Range, MHz	Isolation dB	VSWR Max	Sensitivity dB	Dissipative Loss, dB	Model CA-13N	Model CA-13D
350 - 1,500	>25	1.20:1	±0.5	<0.2	N(f) connectors	7-16 mm DIN (f)
1,500 - 2,500	>20	1.30:1	±0.5	<0.4	Coupling: 3 dB nominal	Power: 200W avg., 3.0 kW peak
2,500 - 3,500	>18	1.50:1	±0.8	<0.6	Impedance: 50Ω nominal	Environment: -35°C to +65°C, IP65
3,500 - 5,000	>18	1.50:1	±0.8	<0.6	PIM (Intermod): <-150 dBc (+43dBm x2)	Finish: Housing: Passivated aluminum
5,000 - 6,000	>18	1.50:1	±1.0	<0.6	Connectors: Triplate	

