

- ◆ Minimum Loss, 4 hybrid design
- ◆ High Isolation, Low VSWR
- ◆ Multi-Band Range for Tetra, GSM, Cellular, PCS, UMTS & W-LAN
- ◆ 100 W per Input Average Power
- ◆ High Reliability, RoHS compliant
- ◆ Guaranteed PIM performance
- ◆ Standard 3RU EIA Rack (5¼")



These Combiner Boxes have been designed to meet the special co-siting needs of the wireless market. The standard version is KM-14 covering 350 - 2,700 MHz while the KM-13 extends the bandwidth to 350 - 5,850 MHz.

They are most commonly used to combine up to four wireless carriers in the operating band to single or multiple antenna feeds or distribution cables. In situations where four similar feeds can be utilized, as required in many in-building applications, all four outputs may be used, eliminating the need for terminating unused ports and the 6 dB hybrid loss.

Port return loss and isolation has been optimized while passive intermodulation (PIM) is minimized. Input and output connectors have been separately grouped for convenient connection and each connector is spaced to allow controlled wrench tightening of connectors. (03/12)

Model Number/Conn	Frequency Range, MHz	Isolation dB	Coupling* dB	VSWR Max
KM-13D KM-13N	350 - 1,500	>25 dB	6.8 ± 1.2	1.30:1
	1,500 - 2,500	>18 dB	7.1 ± 1.2	1.35:1
	2,500 - 2,700	>18 dB	7.1 ± 1.2	1.70:1
	2,700 - 4,900	>13 dB	7.8 ± 1.6	2.00:1
	4,900 - 5,850	>13 dB	8.2 ± 1.6	1.40:1
KM-14D KM-14N	350 - 1,500	>25 dB	6.8 ± 1.2	1.30:1
	1,500 - 2,500	>18 dB	7.1 ± 1.2	1.35:1
	2,500 - 2,700	>18 dB	7.1 ± 1.2	1.70:1

*For less coupling loss use CM-13 or CM-14

Power per input:	100W avg., 3.0 kW peak
Impedance:	50W nominal
Environment:	-15°C to +65°C, Indoor
PIM (Intermod):	<-150 dBc (+43dBm x2) <-155 dBc to order
Finish:	
Housing:	Passivated aluminum
Connectors:	Triplate, (f-f)
Weight:	22 lbs (10 kg) nom.

