4 x 4 Combiner Box, KM-14 series

Multichannel Hybrid Combining System for Co-Siting
380 - 2,500 MHz, 7-16 mm DIN or N

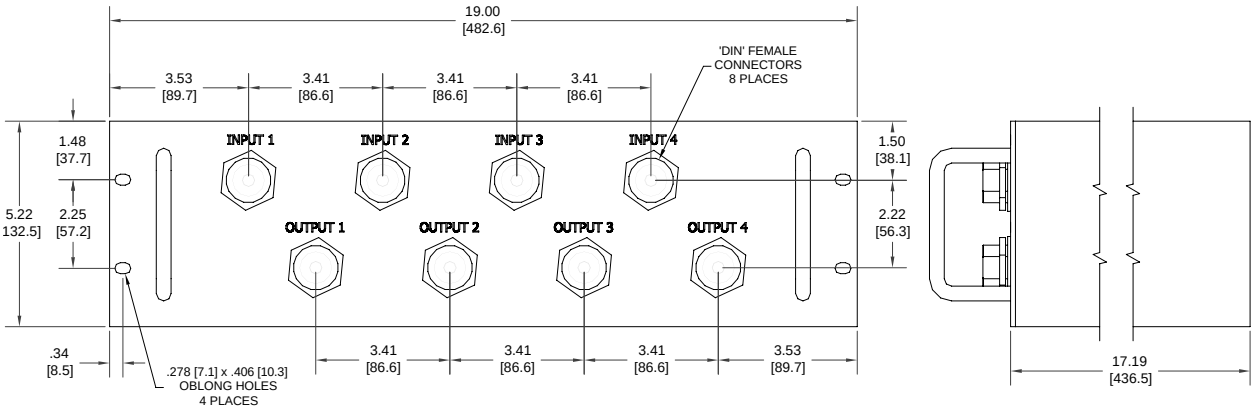
- Minimum Loss, 4 hybrid design
- High Isolation, Low VSWR
- Multi-Band Range for Tetra, GSM, Cellular, PCS, UMTS & W-LAN
- 100 W per Input Power Rating
- High Reliability, RoHS compliant
- Guaranteed PIM performance
- Standard 3RU EIA Rack (5¼")

These Combiner Boxes have been designed to meet the special co-siting needs of the wireless market. 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. (8/08)

Model	Frequency Range, MHz	Isolation dB	VSWR Max	Conn. (In-Out)
KM-14D	380 - 1,500	>25 dB	1.30:1	7-16 mm (f - f)
	1,500 - 2,500	>20 dB	1.35:1	
KM-14N	380 - 1,500	>25 dB	1.30:1	N conn. (f - f)
	1,500 - 2,500	>20 dB	1.35:1	

Coupling:		6.3 ± 1.0 dB
Power/input, max:		100W avg., 3 kW peak
Impedance:		50Ω nominal
Environment:		-15°C to +65°C, Indoor
PIM (Intermod):		<-140 dBc (+43dBm x2)
		<-155 dBc to order
Finish:	Housing:	Passivated aluminum
	Connectors:	Silver or triplated
Weight:		22 lbs (10 kg) nom.



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