

### Proposed

- ◆ Combines Tetra & 2 Broadband Wireless inputs to 1 output
- ◆ Low loss per channel
- ◆ >25 dB Isolation, Low VSWR
- ◆ Low and High Wireless Bands
- ◆ 60W/input avg Power Rating
- ◆ Convenient connector spacing
- ◆ RoHS Compliant



Input Band, MHz	Frequency Range, MHz	Through Loss, nom	Loss Variation	Input Isolation	Input VSWR	Max Power per input	Weight, nom lb (kg)
Inputs 1 & 2	698 - 2700	4.8 dB	±0.75 dB	>25 dB	<1.30:1	*60W avg.	2.15 (0.95)
Tetra Input 3	350 - 520	2.7 dB	±0.90 dB	>25 dB	<1.20:1	*60W avg.	

\*Valid only when used with external loads

This Combiner is a network of two hybrid couplers. Two broadband inputs feed a 3dB hybrid whose output is fed to the 1.8 dB coupling arm of a 4.8 dB hybrid coupler. The main line of this coupler is the Tetra band input. There are 2 unused N connector ports which need to be terminated in 50Ω at the appropriate power rating, or may be internally terminated with a 2W load by request at time of order.

These combiners have been designed for use in base stations or in distributed antenna systems. (04/10)

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)

Connectors: **CM-93D:** 7-16 mm DIN (f)

**CM-93N:** N connector (f)

Finish: Silver or triplate

### CM-93N Outline (shown with optional internal loads)

