

TC4215 Combiner, hybrid-ferrite, single stage isolator, 5 channels, 806-960 MHz

- Supports extremely close frequency spacings (0-10 MHz separation)
- Connects five 125W transmitters to one antenna
- Dual stage isolators

These transmitter combiners can be used in those systems requiring extremely close frequency separations. They utilize Sinclair manufactured isolators, hybrids, and terminations in a compact mechanical configuration allowing a 5-channel transmitter combiner to be mounted in 14 inches of rack space.

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Product Specification Sheet		TC4215	Issue: 2	Dated: 20-11-17

### Electrical Specifications

Frequency Range	MHz	806 to 960
Number of channels		5
Input Connectors		N-Female
Output Connectors		N-Female
Input VSWR (max)		1.25:1
Insertion loss (typ) Tx to Ant	dB	8.5
Maximum Input Power (per channel)	W	125
Frequency separation (max)	MHz	10
Frequency separation (min)	MHz	0
Isolation Tx to Tx	dB	80
Isolation antenna to Tx	dB	57

### Notes

- \*1 : Qty 4- 2 U trays
- \*2 : 4 boxes

### Mechanical Specifications

Width	in (mm)	19 (483)	
Depth	in (mm)	15.63 (397)	
Length/ Height	in (mm)	14 (356)	*1
Shipping dimensions	in (mm)	19x26x7 (483x660x178)	*2

### Ordering Information

Specify the five Tx channel frequencies when ordering.

### Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)
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