

TC4214 Combiner, hybrid-ferrite, single stage isolator, 4 channels, 806-960 MHz

- Supports extremely close frequency spacings (0-10 MHz separation)
- Connects four 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 4-channel transmitter combiner to be mounted in only 10.5 inches of rack space.

www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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### Electrical Specifications

Frequency Range	MHz	806 to 960	
Number of channels		4	*1
Input Connectors		N-Female	
Output Connectors		N-Female	
Input VSWR (max)		1.25:1	
Insertion loss (typ) Tx to Ant	dB	7.4	
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	53	

### Notes

- \*1 : Qty 3- 2U trays
- \*2 : 3 boxes

### Mechanical Specifications

Width	in (mm)	19 (483)	
Depth	in (mm)	15.63 (397)	
Length/ Height	in (mm)	10.5 (267)	
Weight	lbs (kg)	29.9 (13.57)	
Shipping dimensions	in (mm)	19x26x7 (483x660x178)	*2

### Ordering Information

Specify the four Tx channel frequencies when ordering.

### Environmental Specifications

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