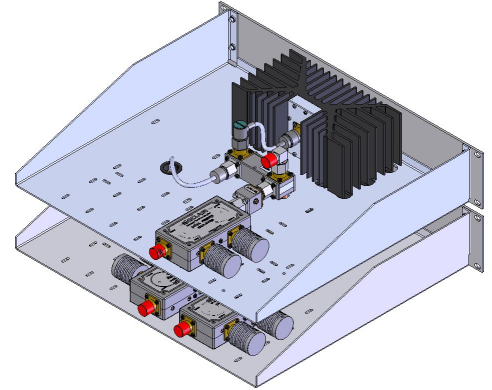


**TC4213** Combiner, hybrid-ferrite, single stage isolator, 3 channels, 806-960 MHz

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

Sinclair's TC Series of transmitter combiners can be used in those systems requiring extremely close frequency separations. They utilize isolators, hybrid couplers, harmonic filters and terminations in a compact mechanical configuration allowing a 2-channel transmitter combiner to be mounted in only 3.5 inches of rack space. Standard configurations permit combining up to four transmitters into one antenna.

For more than four transmitters, higher isolation, VSWR and power monitoring options, or unusual power requirements, consult Sinclair systems engineers.



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

### Electrical Specifications

Frequency Range	MHz	806 to 960	
Number of channels		3	*1
Input Connectors		N-Female	
Output Connectors		N-Female	
Input VSWR (max)		1.25:1	
Insertion Loss (max) Tx to Ant	dB	6.2	
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 2- 2U trays
- \*2 : 2 boxes

### Mechanical Specifications

Width	in (mm)	19 (483)	
Depth	in (mm)	15.6 (396)	
Length/ Height	in (mm)	7 (178)	
Weight	lbs (kg)	24 (10.9)	
Shipping dimensions	in (mm)	19x26x7 (483x660x178)	*2

### Ordering Information

Specify the three Tx channel frequencies when ordering.

### Environmental Specifications

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