

TC4112 Combiner, hybrid-ferrite, single stage isolator, 2 channels, 806-960 MHz

- Supports extremely close frequency spacings (0-10 MHz separation)
- 0-10 MHz separation
- 50 dB of Tx to Tx isolation, 28 dB of Antenna to Tx isolation

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 2-channel transmitter combiner to be mounted in only 3.5 inches of rack space.

Two-channel models may be expanded to four channels by ordering a second 2-channel unit, a hybrid coupler panel and an interconnecting cable assembly.

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		2
Input Connectors		N-Female
Output Connectors		N-Female
Input VSWR (max)		1.25:1
Insertion loss (typ) Tx to Ant	dB	3.9
Maximum Input Power (per channel)	W	125
Frequency separation (max)	MHz	10
Frequency separation (min)	MHz	0
Isolation Tx to Tx	dB	50
Isolation antenna to Tx	dB	28

Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	15.63 (397)
Length/ Height	in (mm)	3.5 (89)
Weight	lbs (kg)	11.6 (5.27)
Shipping dimensions	in (mm)	19x26x7 (483x660x178)

Ordering Information

Specify the two Tx channel frequencies when ordering.

Environmental Specifications

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