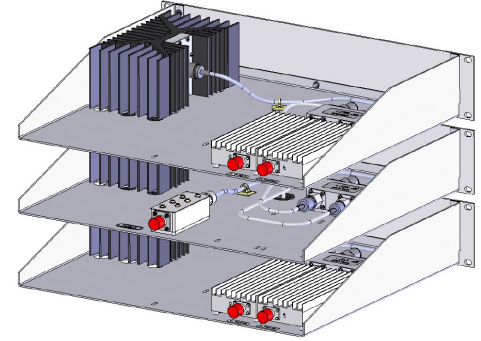


TC3314-(X) Hybrid-ferrite transmitter combiner, 4-channel, triple stage isolators, 350-512 MHz

- Supports extremely close frequency spacings
- Permit combining four 350-512 MHz transmitters into one antenna
- Compact 19 inch rack mount

These transmitter combiners can be used in those systems requiring extremely close frequency separations. They utilize triple stage 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. 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 your Sinclair applications engineers.



Specify one Tx frequency per channel when ordering.

When ordering please see below chart for detailed part# and frequency configuration.

Part#	Frequency (MHz)
TC3314-1	350-380
TC3314-2	380-415
TC3314-3	415-440
TC3314-4	440-470
TC3314-5	470-512

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	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
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

Electrical Specifications

Frequency Range	MHz	350 to 512	*1
Number of channels		4	
Input Connectors		N-Female	
Output Connectors		N-Female	
Input VSWR (max)		1.25:1	
Insertion Loss (max) Tx to Ant	dB	7.5	
Maximum Input Power (per channel)	W	125	
Frequency separation (max)	MHz	9	
Frequency separation (min)	MHz	0	
Isolation Tx to Tx	dB	80	
Isolation antenna to Tx	dB	70	

Notes

- *1 : See details in the previous page.
- *2 : Total weight, shipped in three boxes.
- *3 : For each one of the three boxes.

Mechanical Specifications

Width	in (mm)	19 (483)	
Depth	in (mm)	15.63 (397)	
Length/ Height	in (mm)	10.5 (267)	
Weight	lbs (kg)	29.5 (13.39)	
Actual shipping weight	lbs (kg)	60 (27.24)	*2
Shipping dimensions	in (mm)	26x19x7 (660x483x178)	*3

Ordering Information

Specify one Tx frequency per channel when ordering.

Environmental Specifications

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