

Transmitter Combiners
UHF and Tetra Transmitter Combiners
TCC3 Series

A Norsat Company in Norsat

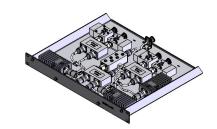
TCC3134-(X) Combiner, hybrid-ferrite, compact, 4 CH, single stage isolator, 350-512 MHz

- · Connect four 60W transmitters to one antenna
- · Single stage isolators
- · 1U high compact housing

Sinclair's new TCC series of hybrid ferrite transmitter combiners allow up to four 60 Watt transmitters to be combined onto one antenna. With single stage isolators, the units provide 45 dB of Tx to Tx isolation. With dual stage isolators, the Tx to Tx isolation is 70 dB. The minimum frequency separation is 0 MHz. The frequencies can be changed without having to re-tune the combiner.

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

Part#	Frequency (MHz)	Frequency Separation (MHz) Min-Max
TCC3134-1	350-385	0-35
TCC3134-2	380-415	0-35
TCC3134-3	405-440	0-35
TCC3134-4	430-470	0-40
TCC3134-5	459-512	0-53



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification	n Sheet	TCC313A-(Y)	leeue: 1	Dated: 21-05-19

Product Specification Sheet EPR 018471-1 Customer Tech Manual 006140

Dated: 23-05-19



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Electrical Specifications			
Frequency Range	MHz 350 to 512 *1		
Number of channels	4		
Input Connectors	N-Female		
Output Connectors	N-Female		
Input VSWR (max)	1.3:1		
Output VSWR	1.5:1		
Insertion Loss (typ) Tx to Ant	dB	7.4	*2
Power (Per Channel)	W	60	
Isolation Tx to Tx	dB	45	
Isolation antenna to Tx	dB	31	
Mechanical Specifications			
Width	in (mm)	19 (483)	
Depth	in (mm)	14.6 (371)	
Length/ Height	in (mm)	1.75 (44)	
Weight	lbs (kg)	18 (8.17)	
Shipping dimensions	in (mm)	25.5x18.75x6.5 (648x476x165)	
Environmental Specifications			
Temperature range	°F (°C)	-22 to +140 (-30 to +60)	
•	°F (°C)	-22 to +140 (-30 to +60)	

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*1 : See details in the previous page.

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