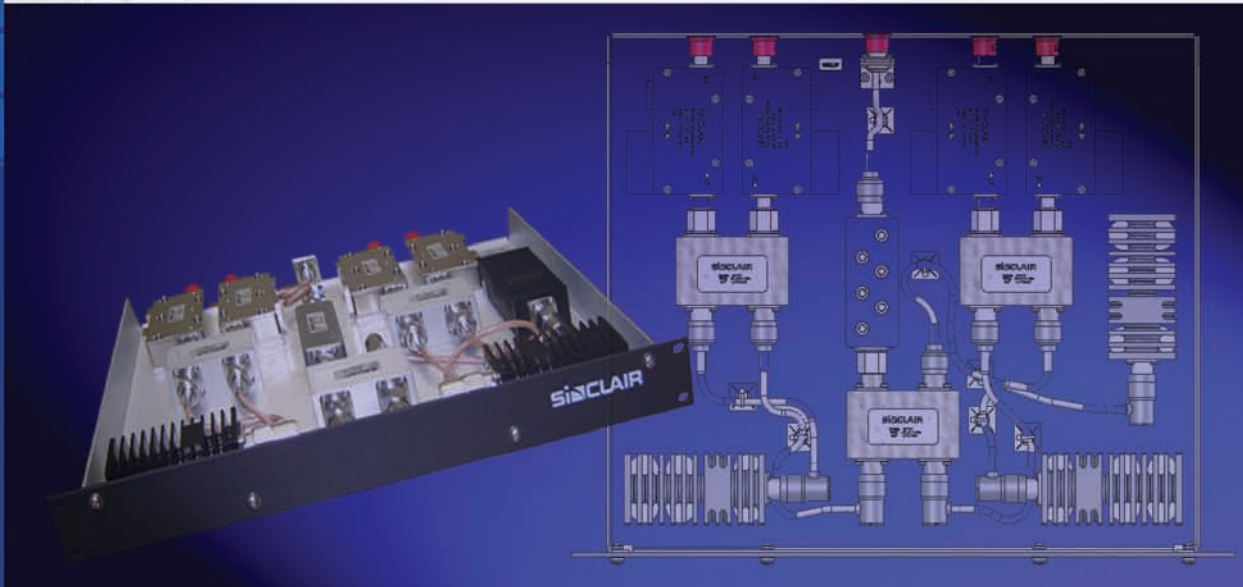


Hybrid Ferrite Transmitter Combiners

Reliable Compact Combining Solutions



Compact Hybrid Ferrite Transmitter Combiners

Sinclair's new TCC series compact hybrid ferrite combiners offer economical combining solutions for systems requiring extremely close frequency separation and space-efficient racking. The combiner is assembled on a very small 1U high tray. Each unit allows 2 or 4, 60 Watt transmitters to be combined with one antenna.

For more than four transmitters, higher isolation, or unusual power requirements, consult your Sinclair customer service representatives at 1-800-263-3275.

The UHF and 700/800/900 MHz band TCC series features broad bandwidth that can combine a wide range of transmitter frequencies. These frequencies can be changed without having to retune the combiners. The VHF band TCC series offers a bandwidth of 3 MHz which can be customer adjusted within ± 5 MHz of the factory tuned frequency.

Features

- Connect 2 or 4, 60 Watt transmitters to one antenna.
- No minimum transmit to transmit frequency separation.
- 1U high compact housing.
- Components do not require tuning - change transmitter frequencies at will (excl. VHF band).
- TCC2 series channel frequencies are adjustable within a 3 MHz range without tuning the unit.
- TCC3 series covers down to 350 MHz tetra band, with a minimum 35 MHz bandwidth.
- TCC4 series covers 746-869 MHz or 806-960 MHz in a single model.

Model UHF/800 MHz	Number of Channels	Insertion Loss	Isolation	H x W x D (inches)
TCC3132-*	2	4.1 +/- 0.4 dB	45 dB	1.75 x 19 x 10
TCC3232-*	2	4.5 +/- 0.4 dB	70 dB	1.75 x 19 x 10
TCC3134-*	4	7.4 +/- 0.6 dB	45 dB	1.75 x 19 x 14.6
TCC3234-*	4	7.8 +/- 0.6 dB	70 dB	1.75 x 19 x 14.6

Common Specs: 60 W per channel, N-female connectors

Corresponding model frequencies: *~1=350-385 MHz, 2=380-415 MHz, 3=405-440 MHz, 4=430-470 MHz, 5=459-512 MHz.

Model UHF/800 MHz	Number of Channels	Insertion Loss	Isolation	H x W x D (inches)
TCC4132-*	2	4.1 +/- 0.4 dB	45 dB	1.75 x 19 x 10
TCC4232-*	2	4.5 +/- 0.4 dB	70 dB	1.75 x 19 x 10
TCC4134-*	4	7.4 +/- 0.6 dB	45 dB	1.75 x 19 x 14.6
TCC4234-*	4	7.8 +/- 0.6 dB	70 dB	1.75 x 19 x 14.6

Common Specs: 60 W per channel, N-female connectors

Corresponding model frequencies: *~1=746-869 MHz, 2=806-960 MHz.

Model VHF	Number of Channels	Insertion Loss	Isolation	H x W x D (inches)
TCC2132	2	4.1 +/- 0.4 dB	45 dB	1.75 x 19 x 10
TCC2232	2	4.5 +/- 0.4 dB	70 dB	1.75 x 19 x 10
TCC2134	4	7.4 +/- 0.6 dB	45 dB	1.75 x 19 x 17
TCC2234	4	7.8 +/- 0.6 dB	70 dB	1.75 x 19 x 17

Common Specs: 60 W per channel, N-female connectors.

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