

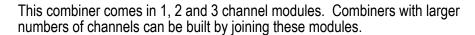
Transmitter Combiners 700 -1000 MHz Transmitter Combiners TXC4x3y-z Series



TXC4232-1 2 CH Ultra High Q Ceramic Transmitter Combiner 763-776 MHz

- · Field tunable
- · Down to 150 kHz Tx-Tx spacing
- · Low loss: 2.5 dB (typ) at minimum spacing
- · Compact 3U height

The ceramic combiner uses an ultra high Q ceramic resonator. This simultaniously allows for a very low loss within the combiner and a very close spacing between the transmitter frequencies. The compactness of the resonator means that up to 3 channels can fit in a 3U high, 14 inch deep envelope.



The loss of a 2 channel combiner as a function of the transmitter spacing is listed below:

Minimum Tx-Tx spacing	Maximum Insertion Loss	Typical Insertion Loss
150-250 kHz	3.3 dB	2.5 dB
250-500 kHz	2.6 dB	2.1 dB
> 500 kHz	2.4 dB	2.0 dB

If the combiner is to be used in an earthquake zone or other high vibration environment then additional support brackets can be ordered. See the ordering information in the next page.



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

Sinclair's commitment to product leadership may result in improvement or change to this product

Copyright © Sinclair Technologies

Product Specification Sheet EPR 018778 Customer Tech Manual 006415





Transmitter Combiners 700 -1000 MHz Transmitter Combiners TXC4x3y-z Series

A Norsat Company Norsat

Electrical Specifications			
Frequency Range	MHz	763 to 776	
Number of channels		2	*
Input Connectors		N-Female	
Output Connectors		7/16 DIN-Female	
Input VSWR (max)		1.25:1	
Output VSWR		2:1	
Insertion loss (typ) Tx to Ant	dB	2.1	**
Insertion Loss (max) Tx to Ant	dB	3.3	*:
Maximum Input Power (per channel)	W	125	
Frequency separation (min)	MHz	0.15	
Isolation Tx to Tx	dB	70	
Isolation antenna to Tx	dB	60	
Mechanical Specifications Width	in (mm)	19 (483)	
Depth	in (mm)	14 (356)	
Length/ Height	in (mm)	5.25 (133)	
Weight	lbs (kg)	16 (7.26)	
Environmental Specifications			
Temperature range	°F (°C)	+14 to +140 (-10 to +60)	

Notes

- *1 : Can be expanded using multiple modules
- *2: 250-500KHz spacing, see table in the previous page
- *3 : see table in the previous page.

Ordering Information

Optional brackets: TXC-MKIT-0004-2 (qty. 2)

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
Product Specification EPR 018778	Sheet	TXC4232-1	Issue: 5	Dated: 31-05-19 Dated: 07-11-16