

TXC4231-1 1 CH Ultra High Q Ceramic Transmitter Combiner 763-776 MHz

- Field tunable
- Dual stage isolator
- Compact 3U height

The ceramic combiner uses an ultra high Q ceramic resonator. This simultaneously 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, 12 inch deep envelope.

This combiner comes in 1, 2 and 3 channel modules. Combiners with larger numbers of channels can be built by joining these modules.

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.

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	763 to 776	
Input VSWR (max)		1.25:1	
Maximum Input Power (per channel)	W	125	
Input Connectors		N-Female	
Output Connectors		N-Female	
Frequency separation (min)	MHz	0.15	*1
Insertion loss (typ) Tx to Ant	dB	1.8	
Insertion Loss (max) Tx to Ant	dB	2.3	
Isolation Tx to Tx	dB	70	*2
Isolation antenna to Tx	dB	60	
Output VSWR		2:1	
Number of channels		1	*3

Notes

- *1 : When joined to other modules
- *2 : When joined to other modules
- *3 : Can be expanded using multiple modules

Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	14 (356)
Length/ Height	in (mm)	5.25 (133)
Weight	lbs (kg)	8.5 (3.86)

Environmental Specifications

Temperature range	°F (°C)	+14 to +140 (-10 to +60)
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Ordering Information

Optional brackets: TXC-MKIT-0001-1 (qty. 1)

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