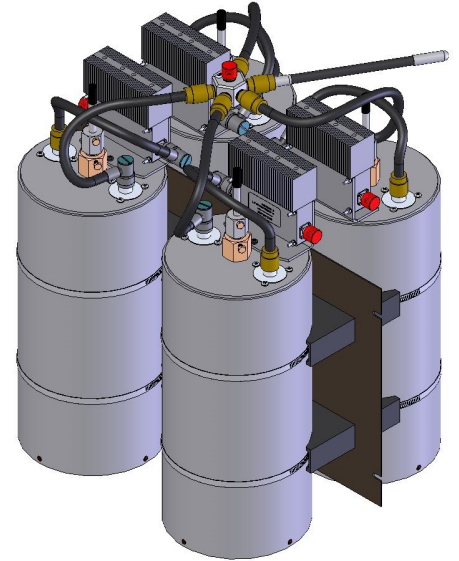


TJ3214-R-1 Cavity-Ferrite Transmitter Combiner, 4 Channels, 7" Cavities, 330-355 MHz

- Low loss broad band dual stage isolators
- Allows for minimum Tx-Tx spacings of 250 KHz
- Expandable for more channels
- Uses high 'Q' 1/4 wave bandpass cavity filters

Sinclair's 'TJ3x1y-R-z' series cavity ferrite transmitter combiners are available in 2 to 5 channel configurations for use in systems from 330-512 MHz. Each channel on these combiners includes a low-loss, broad band single or dual-stage isolator and High 'Q' 1/4 wave bandpass cavity filter suitable for close channel separations, typically 250 KHz.

The 'TJ3x1y-R-z' series combiners can be expanded to 20 channels. For expansion please contact your Sinclair Sales Representative or Customer Service Representative.



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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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

Electrical Specifications

Frequency Range	MHz	330 to 355
Number of channels		4
Input Connectors		N-Female
Output Connectors		N-Female
Input VSWR (max)		1.25:1
Output VSWR		2:1
Insertion Loss (typ) Tx to Ant	dB	3.6
Maximum Input Power (per channel)	W	125
Frequency separation (min)	MHz	0.25
Isolation Tx to Tx	dB	60
Isolation antenna to Tx	dB	50
Cavity electrical length		1/4

Notes

*1 : @ 250 kHz Tx-Tx spacing

Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	14.8 (376)
Length/ Height	in (mm)	21.2 (538)
Shipping dimensions	in (mm)	21x17x30 (533x432x762)

Ordering Information

Specify one Tx frequency per channel at time of order.

Environmental Specifications

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