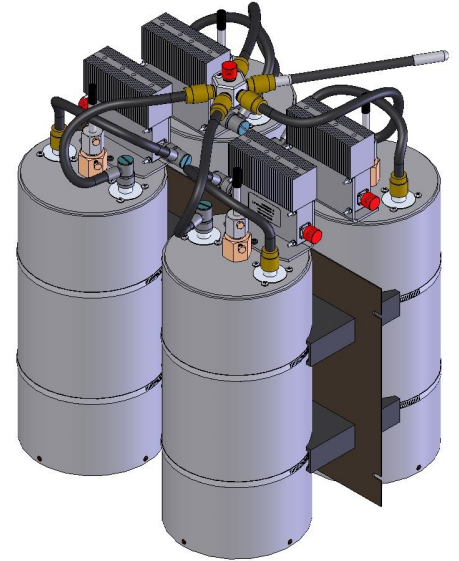


### TJ3214-R-2 Cavity-Ferrite Transmitter Combiner, 4 Channels, 7" Cavities, 350-380 MHz

- 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

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<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

### Electrical Specifications

Frequency Range	MHz	350 to 380
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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