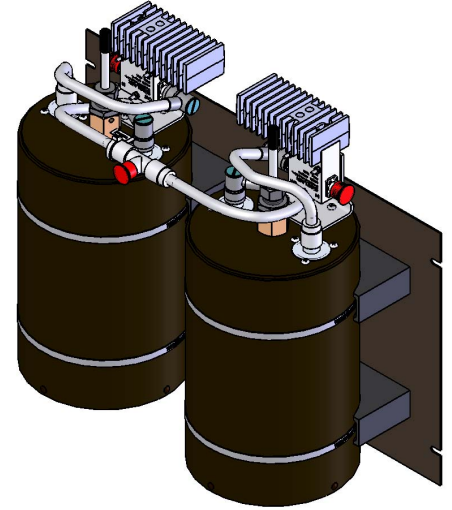


TJ3112-R-3 Cavity-Ferrite Transmitter Combiner, 2 Channels, 7" Cavities, 406-440 MHz

- Low loss broad band single stage isolators
- Allows for minimum Tx-Tx spacings of 200 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 200 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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Product Specification Sheet EPR 018651 Customer Tech Manual 006288		TJ3112-R-3	Issue: 1	Dated: 22-08-19 Dated: 24-11-11
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Electrical Specifications

Frequency Range	MHz	406 to 440
Number of channels		2
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	2.9
Maximum Input Power (per channel)	W	125
Frequency separation (min)	MHz	0.2
Isolation Tx to Tx	dB	35
Isolation antenna to Tx	dB	25
Cavity electrical length		1/4

Notes

*1 : @ 250 kHz Tx-Tx spacing

Mechanical Specifications

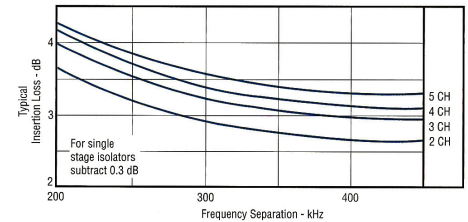
Width	in (mm)	19 (483)
Depth	in (mm)	7 (178)
Length/ Height	in (mm)	15.3 (389)
Weight	lbs (kg)	20 (9.08)
Actual shipping weight	lbs (kg)	28 (12.71)
Shipping dimensions	in (mm)	21x9.5x34 (533x241x864)

Environmental Specifications

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

Specify one Tx frequency per channel at time of order.



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