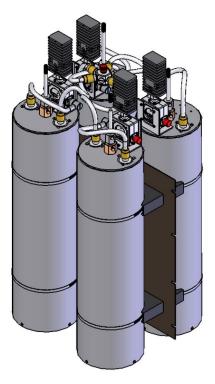


TJ2114-3 Combiner, 4 channel, 7" cavity-ferrite, single stage isolator, 148-174 MHz

- Four channel cavity-ferrite combiner in compact configuration
- Single low-loss isolator
- High Q bandpass cavity filters

Sinclair's 'TJ2' series cavity ferrite transmitter combiners are available in 2 or more channel configurations for use in systems from 132-174 MHz. Each channel on these combiners includes a low-loss single or dual-stage isolator and Sinclair-developed High 'Q' bandpass cavity filter. The 'TJ2' series utilizes very high 'Q' quarter wavelength cavities, and is especially suitable for close channel separations, typically 150 kHz.

All models are 19-inch rack mountable and can be retuned in the field with simple test equipment. High power, special filtering and special mounting versions are also available. The 'TJ2' series combiner is easily expanded to 20 channels, and is the building block used in many Sinclair combining systems.



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 Sheet EPR 017748		TJ2114-3	Issue: 47	Dated: 23-09-16 Dated: 02-10-15	
Customer Tech Manual 006547		Sinclair's commitment to product leadership may result in improvement or change to this product			



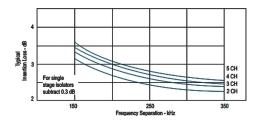
Frequency Range	MHz	148 to 174	
Input VSWR (max)		1.25:1	
Input Connectors		N-Female	
Output Connectors		N-Female	
Power (Per Channel)	W	125	
Frequency separation (min)	MHz	0.15	
Insertion Loss (max) Tx to Ant	dB	3.2	
Isolation Tx to Tx	dB	35	
Isolation antenna to Tx	dB	25	
Output VSWR		2:1	
Number of channels		4	

Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	15 (381)
Length/ Height	in (mm)	32 (813)
Finish		chemical conversion
Weight	lbs (kg)	27 (12.26)
Actual shipping weight	lbs (kg)	50 (22.7)
Shipping dimensions	in (mm)	22x19x38 (559x483x965)

Environmental Specifications

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



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