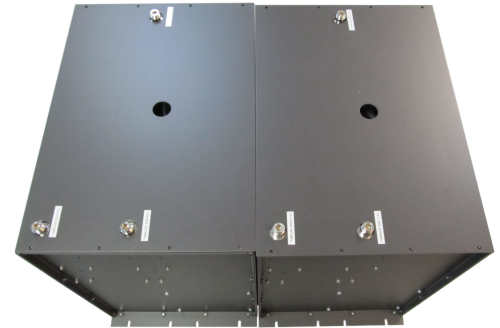


TJ4236 Cavity-Ferrite Transmitter Combiner, 6 channel, 7" Cavities, 806-960 MHz

- Allows for minimum Tx-Tx spacings of 250 KHz
- Expandable for more channels
- High Q bandpass cavity filters with dual low-loss isolators
- Enclosed cabinet

Sinclair's 'TJ' series cavity ferrite transmitter combiners are available in 2- to 6-channel configurations for use in systems from 132-960 MHz. Each channel on these combiners includes a low-loss single or dual-stage isolator and Sinclair-developed High 'Q' bandpass cavity filter. The 806-960 MHz 'TJ' series utilizes very high 'Q' three-quarter wavelength cavities, and is especially suitable for close channel separations, typically 250 kHz. All models are 19-inch rack mountable. The 'TJ' series combiner is easily expanded to 20 channels, and is the building block used in many Sinclair combining systems. Common electrical specifications are shown below. To select the combiner ideally suited to your application, please consult your Sinclair representative. Sinclair has developed an extensive range of cellular combiners, designed to meet the operational requirements of both large and small cellular systems. The 'RCC' and 'CCC' series described below illustrate some of the available configurations. Our engineering and manufacturing capabilities permit us to provide combining equipment to your exact specifications. Consult your Sinclair representative for assistance. The specifications below provide optimum performance for standard North American analog systems. The 'S' in our model number, RCC* -***RS, etc., indicates single-stage isolators are used. Dual-stage isolators may also be ordered by substituting 'D' for 'S' in the model number. This will add 0.3 dB (typ.) to the insertion losses shown, but provide additional isolation where this is required. Alternate frequency spacings and power levels are also available, as are ETACS and NMT configurations.



www.sinctech.com

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

Electrical Specifications

Frequency Range	MHz	806 to 960
Input VSWR (max)		1.25:1
Input Connectors		N-Female
Output Connectors		N-Female
Power (Per Channel)	W	125
Frequency separation (min)	MHz	0.25
Insertion loss (typ) Tx to Ant	dB	4
Insertion Loss (max) Tx to Ant	dB	3.2
Isolation Tx to Tx	dB	70
Isolation antenna to Tx	dB	60
Output VSWR		2:1
Cavity electrical length		0.75
Number of channels		6

Notes

*1 : 2 packages

Mechanical Specifications

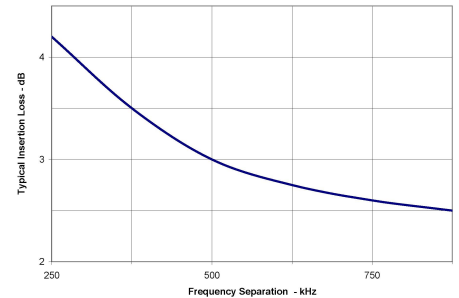
Width	in (mm)	19 (483)
Depth	in (mm)	18.5 (470)
Length/ Height	in (mm)	24.5 (622)
Outer Conductor Material		silver plated aluminum
Weight	lbs (kg)	50 (22.7)
Actual Shipping weight	lbs (kg)	60 (27.24)
Shipping dimensions	in (mm)	23x23x18 (584x584x457)
Cavity width or diameter	in (mm)	7 (178)

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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