

TJ4235-746/806-(X) Combiner, cavity-ferrite, 7" cans, 5 channels, 746-806 MHz

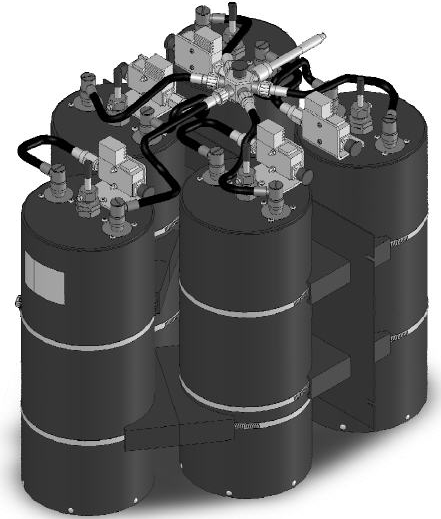
- 5 channel cavity-ferrite combiner for LMR/PMR systems
- Allows for minimum Tx-Tx spacings of 250 KHz
- Dual-stage isolators for outstanding isolation
- 19" panel mount

Sinclair's 'TJ4-746-806' series cavity ferrite transmitter combiners are available in standard 2 to 5 channels configurations for use in systems from 746-806 MHz. Each channel on these combiners includes a low-loss single or dual-stage isolator and Sinclair-developed High 'Q' bandpass cavity filter. The 'TJ4-746-806' 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 and can be re-tuned in the field with simple test equipment. The 746-806 MHz models use standard 19" panel mounts. The 'TJ4-746-806' series combiner is easily expanded to 20 channels, and is the building block used in many Sinclair combining systems.

When ordering, please refer to the part# below and also specify the frequencies.

Model number	Frequency (MHz)
TJ4235-746/806-1	746-755
TJ4235-746/806-2	755-766
TJ4235-746/806-3	760-780
TJ4235-746/806-4	780-796
TJ4235-746/806-5	796-806



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#### Electrical Specifications

Frequency Range	MHz	746 to 806	*1
Number of channels		5	
Input Connectors		N-Female	
Output Connectors		N-Female	
Input VSWR (max)		1.25:1	
Output VSWR		2:1	
Insertion Loss (max) Tx to Ant	dB	3.7	
Power (Per Channel)	W	125	
Frequency separation (min)	MHz	0.25	
Isolation Tx to Tx	dB	70	
Isolation antenna to Tx	dB	60	
Cavity electrical length		3/4	

#### Notes

\*1 : See previous page for detail

#### Mechanical Specifications

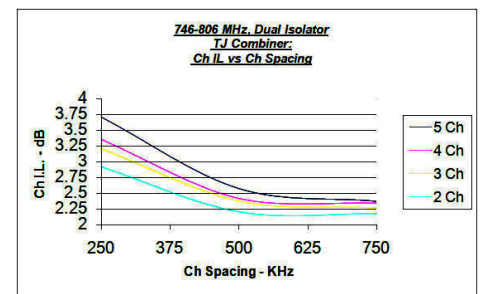
Width	in (mm)	19 (483)
Depth	in (mm)	21.2 (538)
Length/ Height	in (mm)	19.1 (485)
Cavity width or diameter	in (mm)	7 (178)
Outer Conductor Material		silver plated aluminum
Finish		chromate conversion
Weight	lbs (kg)	48 (21.79)

#### Environmental Specifications

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

Specify frequencies when ordering



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