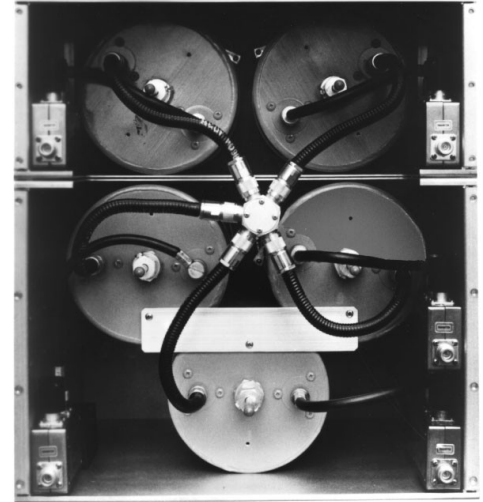


TJ4235 Cavity-Ferrite Transmitter Combiner, 5 channel, 7" Cavities, 806-960 MHz

- 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.



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 (max) Tx to Ant | dB | 4 |
| Isolation Tx to Tx | dB | 70 |
| Isolation antenna to Tx | dB | 60 |
| Output VSWR | | 2:1 |
| Number of channels | | 5 |

Mechanical Specifications

| | | |
|------------------------|----------|---------------------------|
| Width | in (mm) | 19 (483) |
| Depth | in (mm) | 18.5 (470) |
| Length/ Height | in (mm) | 26.25 (667) |
| Weight | lbs (kg) | 39 (17.71) |
| Actual Shipping weight | lbs (kg) | 80 (36.32) |
| Shipping dimensions | in (mm) | 23x23x18 (584x584x457) *1 |

Environmental Specifications

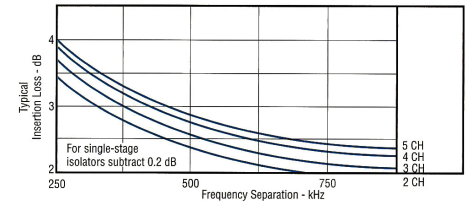
| | | |
|-------------------|---------|--------------------------|
| Temperature range | °F (°C) | -22 to +140 (-30 to +60) |
|-------------------|---------|--------------------------|

Notes

*1 : 2 packages 2nd is 23x23x12"

Ordering Information

Specify one Tx frequency per channel at time of order.



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