

**TCC4234-1** Compact hybrid ferrite 4 channel Tx combiner, 746-869 MHz

- Connect 4 60W transmitters to one antenna
- Dual stage isolators
- 1U high compact housing

Sinclair's new TCC series of hybrid ferrite transmitter combiners allow up to four 60 Watt transmitters to be combined onto one antenna. With single stage isolators, the units provide 45 dB of Tx to Tx isolation. With dual stage isolators, the Tx to Tx isolation is 70 dB. The minimum frequency separation is 0 MHz. The frequencies can be changed without having to retune the combiner.



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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### Electrical Specifications

|                                |     |            |
|--------------------------------|-----|------------|
| Frequency Range                | MHz | 746 to 869 |
| Input VSWR (max)               |     | 1.3:1      |
| Insertion loss (typ) Tx to Ant | dB  | 7.8        |
| Input Connectors               |     | N-Female   |
| Output Connectors              |     | N-Female   |
| Power (Per Channel)            | W   | 60         |
| Frequency separation (max)     | MHz | 123        |
| Frequency separation (min)     | MHz | 0          |
| Isolation Tx to Tx             | dB  | 70         |
| Isolation antenna to Tx        | dB  | 56         |
| Output VSWR                    |     | 1.5:1      |
| Number of channels             |     | 4          |

### Mechanical Specifications

|                |          |            |
|----------------|----------|------------|
| Depth          | in (mm)  | 14.6 (371) |
| Length/ Height | in (mm)  | 1.75 (44)  |
| Width          | in (mm)  | 19 (483)   |
| Weight         | lbs (kg) | 18 (8.17)  |

### Environmental Specifications

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

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