

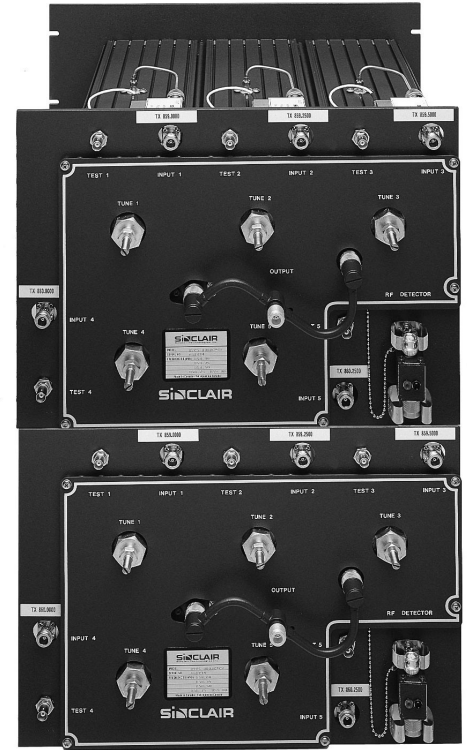
#### RTC10800RC-1 Compact Trunking Transmitter Combiner, 10 Channels, 806-824MHz

- Supports frequency spacings down to 250 KHz
- 125 watts continuous power per channel - 200 watt high power versions available
- Fits easily into 19 inch rack - only 49 inches vertical height in 20 channel configuration

These compact transmitter combiners utilize Res-Lok construction and high-performance dual isolators in a configuration that assures easy expandability and field tuning utilizing the test ports provided. Developed for operation in the 851-869 trunking frequency band, these highly versatile combiners are available in expandable 5- and 10-channel models, and a fully expanded 20-channel version. Different versions are available which optimize performance at frequency spacings of 1 MHz (RA series), 500 kHz (RB series) and 250 kHz (RC series). Insertion loss varies with frequency spacing; factory settings are specified. In addition, the new 'HP' versions can handle up to 200 Watts per channel at the spacings shown below. LC or 7/8-inch EIA connectors are required for 10- and 20-channel HP1 and HP2 antenna outputs. All models are easily mounted in a standard 19-inch rack utilizing only 49 inches of vertical space in the fully expanded 20-channel configuration.

#### Application Notes

- For 100% duty cycle operation order the RTC "HP" version



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Product Specification Sheet		RTC10800RC-1	Issue: 98	Dated: 09-03-18

### Electrical Specifications

Frequency Range	MHz	806 to 824
Number of channels		10
Input Connectors		N-Female
Output Connectors		N-Female
Input VSWR (max)		1.25:1
Output VSWR		2:1
Insertion loss (typ) Tx to Ant	dB	4.3
Power (Per Channel)	W	125
Minimum Channel Spacing	MHz	0.25
Isolation Tx to Tx	dB	70
Isolation antenna to Tx	dB	60

### Notes

\*1 : 2 packages

### Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	15 (381)
Length/ Height	in (mm)	24.5 (622)
Weight	lbs (kg)	105 (47.67)
Actual shipping weight	lbs (kg)	110 (49.94)
Shipping dimensions	in (mm)	22x15x19 (559x381x483) *1

### Ordering Information

Mounting configuration is a rack mounting plate on side with or without tuning rods

### Environmental Specifications

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