

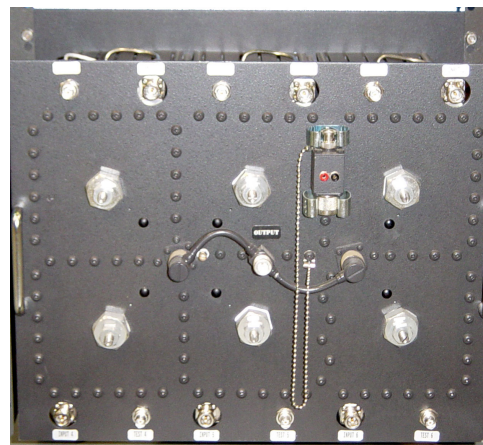
RTC6800RB-1 Compact Trunking Transmitter Combiner, 6 Channels, 806-824 MHz

- Supports frequency spacings down to 500 KHz
- 125 watts power per channel
- 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 806-824 and 851-869 trunking frequency bands, 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. 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.

Sinclair has adapted its proven 'RTC' series technology for the 406-512 MHz bands where trunking is now available in some countries. Different versions are available for optimal performance at 800 kHz (RA series), 400 kHz (RB series) and 200 kHz (RC series) minimum channel spacing.



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Product Specification Sheet		RTC6800RB-1	Issue: 69	Dated: 08-10-13

Electrical Specifications

Frequency Range	MHz	806 to 824
Input VSWR (max)		1.25:1
Input Connectors		N-Female
Output Connectors		N-Female
Power (Per Channel)	W	125
Insertion loss Tx to antenna (typ)	dB	3.5
Isolation Tx to Tx	dB	70
Isolation antenna to Tx	dB	60
Minimum Channel Spacing	MHz	0.5
Output VSWR		2:1
Number of channels		6

Mechanical Specifications

Depth	in (mm)	15 (381)
Length/ Height	in (mm)	14 (356)
Width	in (mm)	19 (483)
Weight	lbs (kg)	52 (23.61)
Actual Shipping weight	lbs (kg)	60 (27.24)
Shipping dimensions	in (mm)	22x15x19 (559x381x483)

Environmental Specifications

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

RA = 1 MHz separation with insertion loss of 3.3 dB
RB = 0.5 MHz separation with insertion loss of 3.5 dB
RC = 0.25 MHz separation with insertion loss of 4.8 dB

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