

**RM200-0(BB)X(Y)B** Rx multicoupler, variable attenuator, fault monitor, 132-174 MHz

- Connect 8 to 24 receivers to a single antenna, expandable to up to 32 channels
- Adjustable system gain, ranging from 0 to 15 dB, for flexible optimization
- Built in fault monitor with fault LED
- Post-filtering ports enable the addition of an external filter when greater selectivity is needed

This Sinclair's newest line of high-performance receiver multicouplers is flexible, reliable, and compact. They are available in 8, 16, and 24 channel configurations in a 1 U package. It comes with a variable step attenuator for adjusting the output gain of the multicoupler. A LED indicates the status of the amplifier, and a form C output alarm contact is provided for integration into an external alarm system. A convenient 30 dB test port is located on the front panel, which enables receiver sensitivity testing without disconnecting the RX path. The extra post-filtering ports (N-female) enable the addition of an external filter when greater selectivity is needed. Plus, this latest X generation is hardened to be operatable in a wider temperature range, providing extra flexibility and reliability needed for the LMR systems.



Image for illustration only and may not be an exact representation of product.

When ordering, please refer to the chart below for the exact part# and configurations.

Part#	Channel	Description
RM200-008X11B	8	100-240 VAC*
RM200-016X11B	16	100-240 VAC*
RM200-024X11B	24	100-240 VAC*

**Note:**

\* The power module features a secondary +12 to +18 VDC input for backup power.

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet		RM200-0(BB)X(Y)B	Issue: 2	Dated: 17-08-20

### Electrical Specifications

Frequency Range	MHz	132 to 174	
System gain	dB	0-15	*1
Input Connectors		N-Female	
Output Connectors		BNC-Female	
Input VSWR (max)		1.5:1	
Output VSWR (max)		1.5:1	
Impedance	Ω	50	
1 dB Compression Point - Amplifier	dBm	28	*2
Third Order Intercept - Amplifier	dBm	43	*3
Third Order Intercept - System	dBm	18	*4
Isolation Rx to Rx	dB	20	
Noise figure (amplifier, Max)	dB	1	
Noise figure (system, Typ.)	dB	1.3	
Supply voltage		See table	

### Notes

- \*1 : Attenuator adjustable in 1 dB step.
- \*2 : Output, Typ.
- \*3 : Output, Typ.
- \*4 : Output, Typ.
- \*5 : ± 1 lbs

### Mechanical Specifications

Width	in (mm)	19 (483)	
Depth	in (mm)	14.12 (359)	
Length/ Height	in (mm)	1.75 (44)	
Weight	lbs (kg)	6.5 (2.95)	*5
Shipping dimensions	in (mm)	22x17x4 (559x432x102)	

### Environmental Specifications

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