

PUBLIC SAFETY RECEIVER MULTICOUPLERS

700 - 800 MHz

RC Series

Product Features

- A single stage low noise preamplifier ensures flat gain through all the band
- High compression point
- Low I.M. generation
- 220/110 VAC power supply, optional power supplies available upon request

Applications

- For P25, TETRA, iDEN, MPT1327



Specification

RCxx-y (replace "xx" with band designator, and "y" with channel number)

Type	Receiver Multicoupler
Frequency band	700 - 800 MHz
Number of channels	4 to 24
Input preselector BW	794 - 806 MHz, 12 MHz BW ("xx"=75) 806 - 824 MHz, 18 MHz BW ("xx"= 95) 794 to 824 MHz, 30 MHz BW ("xx"= 80)
Overall system gain, max	24 dB, 21 dB, 17 dB, 13 dB
Gain adjustment, manual	From max gain to 0dB, field adjustable
Gain variation in temperature range	<+/- 1dB
Return loss, min, all ports	22.0 dB
Overall system noise figure	<3.0 dB (LNA NF <1.5dB)
Manual gain variation	Yes, nominal to 0dB gain
LNA IIP3	>+12 dBm
LNA output 1dB comp	+27 dBm typ
Input no damage	+30 dBm, 100 KHz to 4 GHz
Rx to Rx isolation	>20 dB
Tx band rejection	>80dB (764-776 MHz & 851-869 MHz)
Connector, input	N(f)
Connector, output, standard	N(f)
Power input, standard	110/220 VAC 50/60Hz 10W
Power input, optional	+12, +24 or -48 VDC
AC power input connector	3-pin IEC 320
DC power input connector, optional	2.1mm, ground external
Grounding	Chassis grounded
I/O	All I/O are located in the rear side
Temperature range	-40° to 149° F • -40° to +65° C
Mounting	Brackets for 19in rack
Rack units requirement	3
Dimension	5.2 x 19 x 11 inches • 133 x 482 x 277 mm
Tray material	Aluminium
Termination	Black Epoxy

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