

RECEIVER MULTICOUPLERS VHF and UHF

RC Series

Product Features

- A single stage low noise preamplifier ensures flat gain through all the band
- High compression point
- Low I.M. generation
- Standard models outputs are 4, 8, 16 and 24. Other outputs number and input preselector bandwidth are available upon request
- 220/110 VAC power supply, optional power supplies available upon request
- Optional SNMP remote control and monitoring



Receiver Multicoupler RC45-8



Applications

- For VHF, UHF, SMR and TETRA band multicarrier systems

Specification

RC15-x (replace "x" with channel number)

Frequency band	136 – 174 MHz			
Number of channels	4	8	16	24
Input preselector BW	3.0 MHz			
Overall system gain	15dB +/-2	12dB +/-2	9dB +/-2	6dB +/-2
Return loss, min, all ports	18.0dB			
Overall system noise figure	3.0 dB +/- 1.0			
Manual gain variation	Yes, nominal to 0dB gain			
LNA OIP3	>+25dBm			
LNA output 1dB comp	+13dBm Max			
Input no damage	+10dBm Max			
Rx to Rx isolation	>20dB			
Connector, input	N(f)			
Connector, output	N(f)			
Power input, AC	110/220 VAC 50/60Hz 10W			
AC power input connector	3-pin IEC 320			
Grounding	Chassis grounded			
I/O	All I/O are located in the rear side			
Temperature range	-40° to 140° F • -40° to +60° C			
Mounting	Brackets for 19in rack			
Rack units requirement	2 RU			
Dimension	3.4 x 19 x 11 inches • 88 x 482 x 277 mm			
Weight	8.8 lbs • 4 kg	9.9 lbs • 4.5 kg	11 lbs • 5 kg	12.1 lbs • 5.5 kg
Tray material	Aluminium			
Termination	Black Epoxy			

RECEIVER MULTICOUPLERS VHF and UHF

RC Series

Specification	RC38-x (replace "x" with channel number)			
Frequency band	380 - 430 MHz			
Number of channels	4	8	16	24
Input preselector BW	5.0 MHz			
Overall system gain	15dB +/-2	12dB +/-2	9dB +/-2	6dB +/-2
Return loss, min, all ports	18.0dB			
Overall system noise figure	3.0 dB +/-1.0			
Manual gain variation	Yes, nominal to 0dB gain			
LNA OIP3	>+25dBm			
LNA output 1dB comp	+13dBm Max			
Input no damage	+10dBm Max			
Rx to Rx isolation	>20dB			
Connector, input	N(f)			
Connector, output	N(f)			
Power input, AC	110/220 VAC 50/60Hz 10W			
AC power input connector	3-pin IEC 320			
Grounding	Chassis grounded			
I/O	All I/O are located in the rear side			
Temperature range	-40° to 140° F • -40° to +60° C			
Mounting	Brackets for 19in rack			
Rack units requirement	3 RU			
Dimension	5.1 x 19 x 11 inches • 130 x 482 x 277 mm			
Weight	15.4 lbs • 7 kg	16.5 lbs • 7.5 kg	17.6 lbs • 8 kg	19.4 lbs • 8.5 kg

Specification	RC45-x (replace "x" with channel number)			
Frequency band	450 - 512 MHz			
Number of channels	4	8	16	24
Input preselector BW	3.0 MHz			
Overall system gain	15dB +/-2	12dB +/-2	9dB +/-2	6dB +/-2
Return loss, min, all ports	18.0dB			
Overall system noise figure	3.0 dB			
Manual gain variation	Yes, nominal to 0dB gain			
LNA OIP3	>+25dBm			
LNA output 1dB comp	+13dBm Max			
Input no damage	+10dBm Max			
Rx to Rx isolation	>20dB			
Connector, input	N(f)			
Connector, output	N(f)			
Power input, AC	110/220 VAC 50/60Hz 10W			
AC power input connector	3-pin IEC 320			
Grounding	Chassis grounded			
I/O	All I/O are located in the rear side			
Temperature range	-40° to 140° F • -40° to +60° C			
Mounting	Brackets for 19in rack			
Rack units requirement	2 RU			
Dimension	3.4 x 19 x 11 inches • 88 x 482 x 277 mm			
Weight	8.8 lbs • 4 kg	9.9 lbs • 4.5 kg	11 lbs • 5 kg	12.1 lbs • 5.5 kg

DOC TK022.03 - 2/2008/2018
Fiplex is a registered trademark of Fiplex Communications, Inc. Fiplex Communications, Inc. reserves the right to change specifications without prior notice.