

ACTIVE CRYSTAL RECEIVER MULTICOUPLER

Public Safety 700 MHz

ACRC Series

Product Features

- Channel Selective operation
- For 25KHz channel BW
- Software adjustable channel filter center frequency
- User manual gain adjustment
- Dual Power Supply for redundancy
- High adjacent channel rejection
- Compact size, 19in rack mounting
- Very low IM generation
- Standard models for 4 and 8 channels, other number of channels available upon request



Active Crystal Receiver Multicoupler

Applications

- For PS 700 MHz multicarrier systems
- Compatible with narrowband FM, P25 (Ph1 & 2), TETRA, DMR, IDAS, Nexedge, among others



Specification	ACRC75-4-x	ACRC75-8-x
Frequency band	PS 700 MHz	
Number of channels	4	8
Overall system gain	10	7
Return loss min, all ports	18dB	
Overall system noise figure	3dB	
Channel filters BW (replace "x")	25KHz	
Channel filter programmable steps	1.25KHz	
Rejection	12.5KHz BW: 30dBc min @ adjacent channel (+/-12.5KHz) 60dBc min @ semi-adjacent channel (+/-25KHz) 25KHz BW: 30dBc min @ adjacent channel (+/-25KHz) 60dBc min @ semi-adjacent channel (+/-50KHz)	
Manual gain variation	Yes, 20dB range	
Maximum input power	-10dBm	
Overload protection	Yes, self recovery	
OPI3	>+25dBm	
Rx to Rx isolation	>50dB	
Alarms	LNA failure, main power supply failure, backup power supply failure, overload, excessive input power	
Alarms output	Dry Contacts	
Connector, input	N(f)	
Connector, outputs	N(f)	
AC power input	3-pin IEC320	
Grounding	Chassis grounded	
Temperature range	14° to 131° F • -10° to +55° C	
Environmental	IP21	
Mounting	Brackets for 19in rack	
Rack units requirement	2 RU	4 RU
Dimensions	3.4 x 19 x 15.8 inches • 88 x 482 x 400 mm	6.9 x 19 x 15.8 inches • 176 x 482 x 400 mm
Weight	13 lbs • 6 kg	24 lbs • 10 kg

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