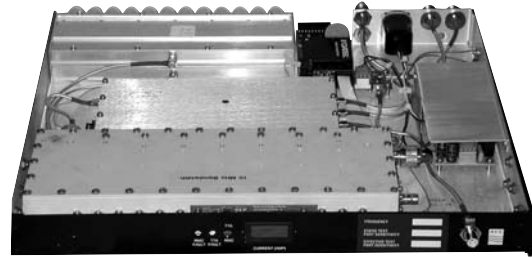


### RMC80-0184-24

RFS's QuikWave SMR receiver multicoupler consists of a front-end low noise amplifier, full band 18 MHz filter and splitters to provide 24 outputs. It is built with a universal power supply unit, which can work from various AC & DC inputs. It is ideal to use in SMR base station sites where feeder lengths are short and a TTA is not necessary. Optional filter kit maximizes site optimization, reducing interference.

- Improved system noise figure and sensitivity provides wider coverage
- Quadrature amplifier design gives high reliability and minimal degradation on failure
- Built-in test port allows for rapid on-site testing
- Optional filter kits optimize site performance minimizing interference.
- Universal AC-DC power supply simplifies ordering and installation.
- Isolated receiver output ports mean that unused ports can be left un-terminated reducing costs



RMC80-0184-24

### Preselection Filters

A wide range of preselector filters are available for SMR, UHF and VHF bands for covering different bandwidths as required.



911-PB4 Series Filter



941-PB4 Series Filter

# Receiver Multicoupler & Optional Filters

## SMR Receiver Multicoupler

RMC80-184-24	
Frequency band, MHz	806-824
Bandwidth, MHz	18
Gain, dB	18
Gain, adjustment range, dB	10 in 1 dB steps
Number of outputs	24
Noise Figure, dB	2
IIP3	12
Power required	20-75VDC/ 110VAC/220VAC
Rack mounting	Yes

## Preselection Filters 800 MHz SMR

	RMC80-OPF03	RMC80-OPF05	RMC80-OPF10
Frequency band, MHz	806-824	806-824	806-824
Bandwidth, MHz	3	5	10
Connectors	N Female	N Female	N Female
Mounting	Fits in RMC 80-184-24	Fits in RMC 80-184-24	Fits in RMC 80-184-24
Insertion Loss, dB	1.2	1.2	1.2
	RMC80-OPF15	RMC80-OPF18	
Frequency band, MHz	806-824	806-824	
Bandwidth, MHz	15	18	
Connectors	N Female	N Female	
Mounting	Fits in RMC 80-184-24	Fits in RMC 80-184-24	
Insertion Loss, dB	1.2	1.2	

## Expansion Kit

RMC80-EXP24	
Frequency band, MHz	806-824
Isolation between Rx Ports, dB	20
Rack Mountable	Yes
Number of outputs	24
Connector - Antenna Input	N Female
Connector - Receiver Outputs	BNC Female
Power Required	No

## Preselection Filters VHF

	911-PB4-1-2	911-PB4-1-4	911-PB4-2-2	911-PB4-2-4
Frequency band, MHz	144-174	144-174	160-174	160-174
Bandwidth, MHz	2	2	2	2
Connectors	BNC Female	BNC Female	BNC Female	BNC Female
Insertion Loss, dB	2.25	2.25	2.25	2.25
VSWR	1.5:1	1.5:1	1.5:1	1.5:1

## Preselection Filters UHF

	941-PB4-1-3	911-PB4-2-3
Frequency band, MHz	406-440	440-474
Bandwidth, MHz	3	3
Connectors	BNC Female	BNC Female
Insertion Loss, dB	2.25	2.25
VSWR	1.5:1	1.5:1