



EXPANDABLE RECEIVER MULTICOUPLER

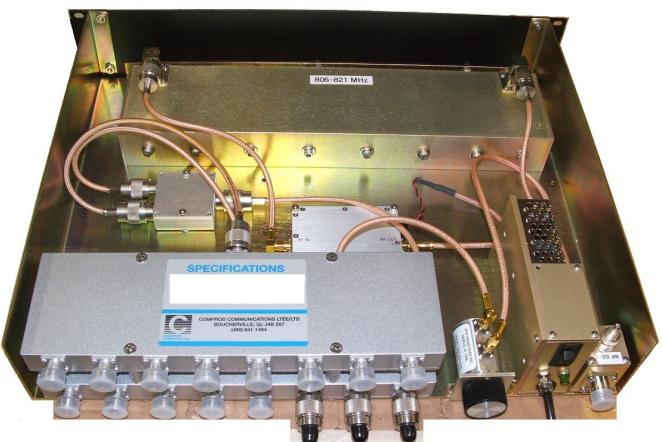
UHF, 794-824 MHz

Expandable Receiver Multicoupler 90 Series

Comprod's Expandable Receiver Multicoupler provides an affordable means of combining multiple Receiver frequencies onto the same antenna. They are available in 2, 4, 8, 12 and 16 port configurations.

Key features:

- A low noise amplifier provides gain across the frequency band
- Low noise figure and low intermodulation generation
- Features up to 16 ports (24 and 32 port versions are available)
- -30 dB signal sampler port that can also be used to inject a signal



Electrical Specifications

Frequency Band, MHz	UHF	794-824
Number of output ports	2 to 16 (24 and 32 port versions available)	2 to 16 (24 and 32 port versions available)
Input Preselector Bandwidth Options	2 or 3 MHz Bandwidth 380-512 MHz	794 - 824 MHz, 3/6/12 MHz BW 806 - 821 MHz, 15 MHz BW 806 - 824 MHz, 18 MHz BW 794 - 824 MHz, 30 MHz BW
VSWR	1.5:1	1.5:1
Amplifier Gain, dB	18.5 typical	19 typical
Amplifier Output IP3, dB	+40 Min	+40 Min
Amplifier Noise Figure, dB	1.9 typical	1.9 typical
Manual Attenuation Selection	0 to -10dB in 1 dB steps	0 to -10dB in 1 dB steps
Rx to Rx Isolation, dB	>20	>20
Tx Band Rejection, dB	>40 at 2MHz TX-RX	>80
Connector, Input	N (Female)	N (Female)
Connector, Output	N (Female)	N (Female)
Connector, Signal Sampler	BNC (Female)	BNC (Female)
Power Input, Standard	110/220 VAC 50/60Hz 10W	110/220 VAC 50/60Hz 10W
AC Power Input Connector	Hardwired 3-wire	Hardwired 3-wire
DC Power (optional), VDC	+13-28	+13-28
Mounting	EIA Standard 19" 3 RU	EIA Standard 19" 2 RU
Temperature Range C	-30 to +60 C	-30 to +60 C

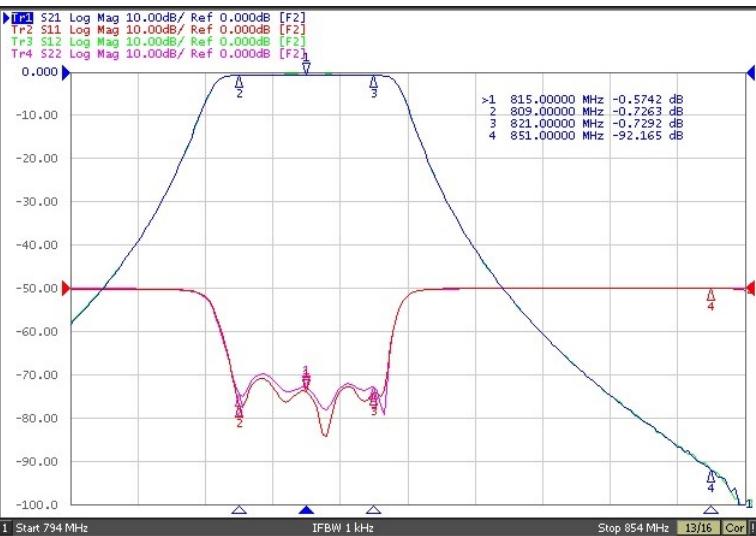
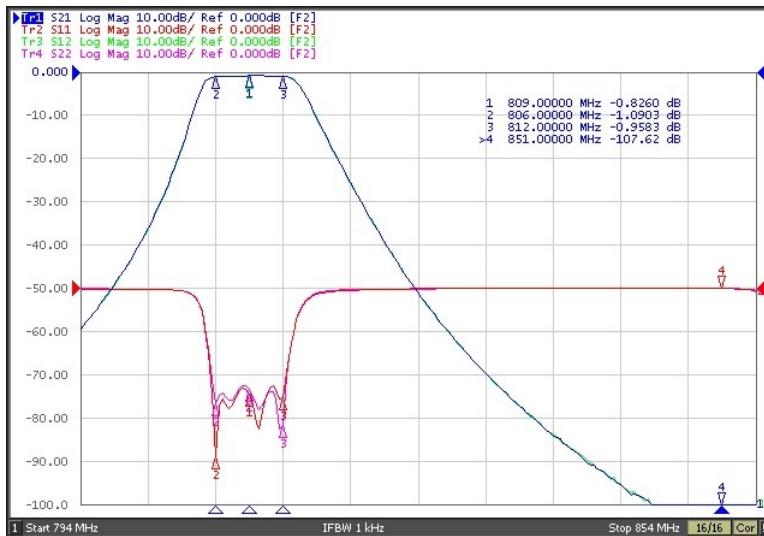
FILTERS AND RF COMPONENTS

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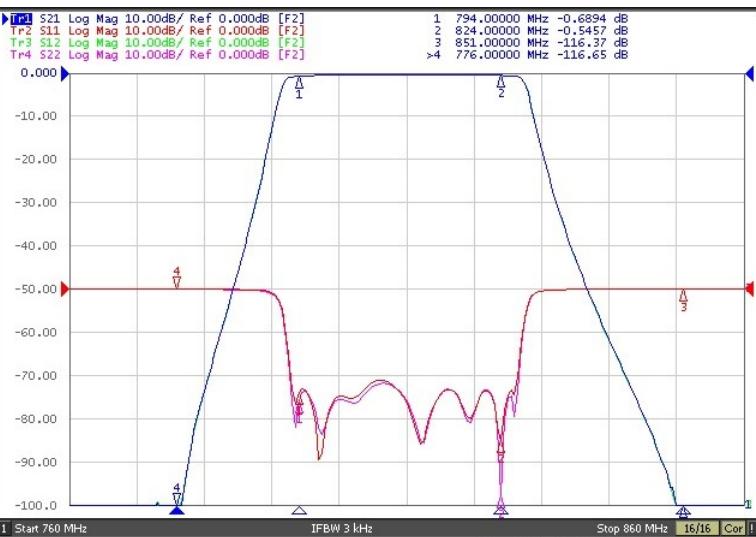
800 MHz Pass: 806-812MHz (6MHz)

800MHz Pass: 809-821MHz (12MHz)



800MHz Pass: 806-824MHz (18MHz)

800MHz Pass: 794-824MHz (30MHz)



Ordering Format:

9	W	-	FF	-	PP	C	BB
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Example: Model # 91-85-8N18

RX Multicoupler, 1 Pass Window, 806MHz,
8 Output Ports, N female, 18 MHz Bandwidth

9	Series 90	
W	1,2	Number of Pass Windows
FF	76	794-806 MHz
	85	806-824 MHz
	First 2 digits of Freq. 38/40/43/45/47	380-512 MHz
PP	2,4,8,16,24	Number of Ports
C	N/B	N or BNC Connectors
BB	02/03/06/12/15/18/30	Bandwidth in MHz