

## EMR LOW POWER REPEATER SYSTEMS PRACTICAL - COMPACT SIZE

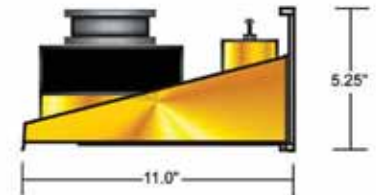
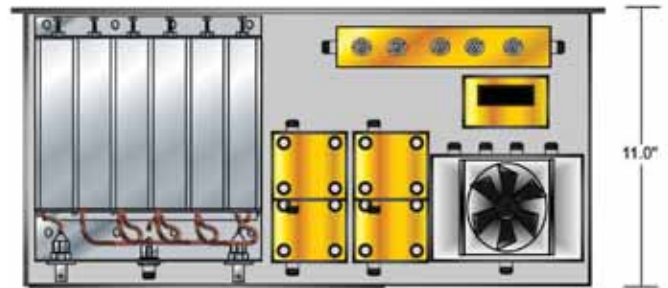
EMR solutions for homeland security offer the most practical approach to simplex and full duplex combining in mobile and base station applications

These are single antenna systems. Each model includes transmitter combiner, receiver multi-coupler and antenna duplexer. The systems are delivered ready for operation with no on-site tuning or adjustment needed. Loss figures are nominal. Losses and gains per individual channel can vary over filter bandwidth.

EMR's FR-25 Series combining systems are a solution to the requirement for multi-channel mobile communications. By using hybrid/ferrite technology a greater variety of difficult to combine frequencies can be used in the same compact system. Standard components provide economical products with reliable, uniform performance and quick delivery times.

Contact the factory for systems in different frequency bands, with narrow filter bandwidth, higher power, multiple pass-bands and complex specialized combining.

Model	No, Chans	Power	TX Loss	ERP, Watts	ERP, Watts	ERP, Watts	Price
		Watts	dB	0 dB Antenna	3 dB Antenna	6 dB Antenna	
VHF24321/SYS-25	2	25	6.0	6.25	12.5	25.00	\$5,000.00
VHF24331/SYS-25	3	25	8.0	3.96	7.93	15.85	\$5,775.00
VHF24341/SYS-25	4	25	8.0	3.96	7.93	15.85	\$6,600.00



Model No. VHF24341/SYS-25-SP  
System cables not shown for clarity

### ADDITIONAL SPECIFICATIONS:

FREQUENCY BAND:	154-174 MHz
ISOLATION TX to ANTENNA:	35 dB
ISOLATION TX to TX:	65 dB
INPUT VSWR:	1.05:1 or better
OUTPUT VSWR:	1.25:1 or better
RX AMPLIFIER GAIN:	28 dB adjustable
RX AMPLIFIER 1 dB COMPRESSION:	+21 dBm
RX AMPLIFIER 3IP:	+42 dBm
RX AMPLIFIER POWER:	13.6 VDC
TEMPERATURE:	-10 to +50 C
CONNECTORS:	Type-N Female (BNC RX Output)
MIN CH-CH OFFSET:	5 MHz
MAX BANDWIDTH:	1 MHz

**CONTACT FACTORY FOR INTERFERENCE PROBLEM SOLVING OPTIONS**



EMR CORPORATION - PHOENIX, ARIZONA - TEL: 623-581-2875  
FAX: 623-582-9499 www.emr.com - e-mail: sales@emr.com

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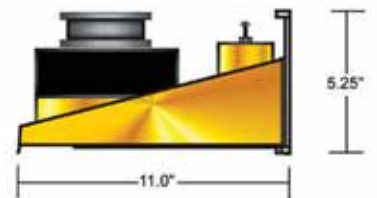
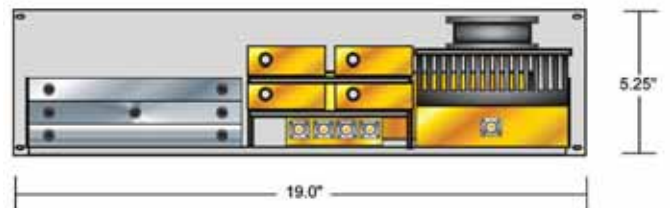
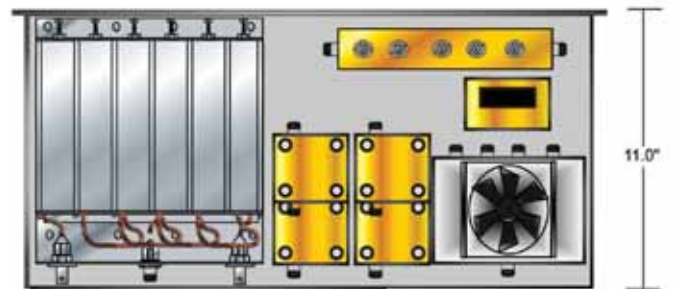
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UHF25321/SYS-25	2	25	6.0	6.25	12.5	25.00	\$5,000.00
UHF25331/SYS-25	3	25	8.0	3.96	7.93	15.85	\$5,775.00
UHF25341/SYS-25	4	25	8.0	3.96	7.93	15.85	\$6,600.00
UHF25351/SYS-25	5	25	10.6	2.18	4.36	8.71	\$8,875.00



Model No. UHF25341/SYS-25-SP  
System cables not shown for clarity

### ADDITIONAL SPECIFICATIONS:

FREQUENCY BAND:	350-650 MHz
ISOLATION TX to ANTENNA:	35 dB
ISOLATION TX to TX:	65 dB
INPUT VSWR:	1.05:1 or better
OUTPUT VSWR:	1.25:1 or better
RX AMPLIFIER GAIN:	28 dB adjustable
RX AMPLIFIER 1 dB COMPRESSION:	+21 dBm
RX AMPLIFIER 3IP:	+42 dBm
RX AMPLIFIER POWER:	13.6 VDC
TEMPERATURE:	-10 to +50 C
CONNECTORS:	Type-N Female (BNC RX Output)
MIN CH-CH OFFSET:	5 MHz
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