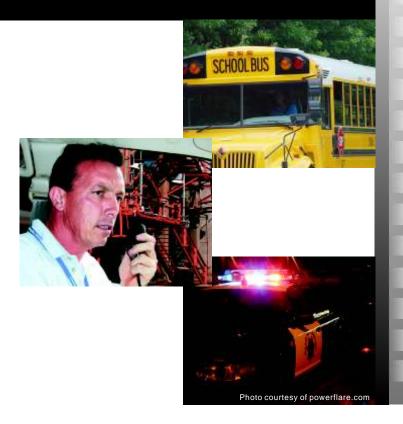




Professional

Mobile Radio

128 Channels UHF



128 Channels
Alphanumeric Display
2-Tone Decoder & Encoder
Scan with Dual Priority
Nuisance Channel Delete
PC Programming and Tuning
Field Programmable
12.5/25khz Channel Spacing per Channel
Busy Channel Lockout
Time-out Timer
CTCSS / CDCSS
Selectable Squelch Level
Wired Clone
Flash Technology
Clock Frequency Shift



RM Series

Professional Mobile Radio

Synthesized channel frequency generation

Provides up to 128 semi-duplex channels for any application, from simple to sophisticated.

Wide/narrow channel bandwidth switching

25 kHz/12.5 kHz channel spacing is software controlled and programmed independently for each channel.

Wideband design

Provides coverage across the most common VHF & UHF bands. VHF: 136 ~ 174 MHz UHF:430 MHz ~ 470 MHz and 450 MHz ~ 512 Mhz.

Advanced design RF power modules

Provides an economic choice between low and high power models. Power output: RMV50:50 Watts RMV25:25 Watts RMU45:45 Watts RMU25:25 Watts

"Mobile data-ready" The RMV/RMU mobiles have a connection port specifically designed for system integrators who need to provide voice and/or data communications using PC/modems, MDT's and digital messaging equipment.

Large, easy-to-read LCD display

Renders clear legibility under any lighting conditions. Channel and operating status information are shown using large, easy-to understand indicators.

"Installation-ready" ultra-compact and lightweight design

Compact 5.5-inch width and 2.2 lbs weight each mobile package includes an adjustable mounting bracket and a durable compact microphone.

Specifications				
RMV	RMU			
136-174MHz	(M) 430-470MHz			
	(H) 450-512MHz			
	128			
25KHz / 12.5KHz				
13.6 VDC				
50	Ohms			
-30C to 60C				
2.5kHz / 6.25kHz				
164(W)X44(H)X110(D)				
164(W)X4	44(H)X162(D)			
<`	1000g			
	RMV 136-174MHz 25KHz 13. 50 -300 2.5kHz 164(W)X4 164(W)X4			

MIL-SPEC 810C/D/E

Specification are tested according to TIA/EIA - 603 Specifications are subject to change without notice.

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GSA Schedule Numbers: GS35F-0133L GS06T03BND7002



RM web sheet Jan. 2005 For a copy of the complete RM Series datasheet Contact RELM/BK at (800) 821-2900

Transmitter		RMV	RMU	
Carrier output power		25/5W	25/5W	
		50/10W	45/10W	
Spurious and harmonics	-36	6dBm(<1GHz)	-30dBm(>1GHz)	
Audio distortion (300-3000Hz)	<3% typical (1kHz / 40% dev.)			
Frequency stability (-30Cto+55C)	2.5 ppm			
Max. Frequency deviation	±5KHz (wide) / ±2.5KHz (narrow)			
Adjacent channel power	>-70dBc (wide) / >-60dBc (narrow)			
FM Modulation	16K0F3E / 8K0F3E			
Receiver				
Sensitivity(12dB/20dB SINAD)		0.2	25µV	
Adjacent channel selectivity		70dB (W) / 65dB (N)		
Intermodulation rejection		70dB (W) / 65dB (N)		
Spurious response rejection		70dB (W) / 65dB (N)		
Audio power output		Int. 4W / Ext. 8W		
Audio distortion		= 5%</td		

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