

EPV



Synthesized FM Portable Radio

403-457 MHz

14 or up to 210 Channels

4 Watts RF Power

Powerful. Innovative. Rugged and reliable. The Bendix/King EPV series delivers a 26 MHz operating frequency spread, PC programmability and cloning, ultra-low battery drain and built-in CTCSS/CDCSS. Discover Bendix/King.


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MODEL NUMBER	Lexan Metal	EPV 414 0A EPV 414 0M	EPV 499 2A EPV 499 2M	EPV 499 SL EPV 499 SM				
Frequency - MHz		403-457	403-457	403-457				
Channels		14	210	210				
RF Output - Watts		4	4	4				
Scan		INCL.	INCL.	INCL.				
Keyboard		--	INCL.	INCL.				
Alphanumeric LCD		--	INCL.	--				
DTMF Encode		--	INCL.	INCL.				
DTMF ANI		INCL.	INCL.	INCL.				
Signalling Options		--	--	--				
Battery Life (5 - 5 - 90%)								
Std. NiCd (LAA 0121) - hrs.		6	6	6				
Lrg. NiCd (LAA 0125) - hrs.		12	12	12				
Channels Increments - kHz		12.5/25	12.5/25	12.5/25				
GENERAL		ALL MODELS		* Signalling Options: 2-TONE DECODE, 5-TONE DECODE, SCRAMBLING * Standby Current Drain with Options - mA: 31				
Operating Voltage		10 V. NOM.		TRANSMITTER RF Output Power - Watts 4 Operating Frequency Spread - MHz 54 Modulation 15K0F2D 16K0F3E 16K0FXE Spurious and Harmonics - dB 60 Hum and Noise - dB (per EIA) 43 Audio Distortion - % 3 Audio Response (per EIA) - dB +1/-3				
Code Guard Squelch (CTCSS & CDCSS)		INCLUDED						
Multiple Code Guard Squelch		INCLUDED						
Time Out Timer		INCLUDED						
Operating Temperature - C°		-30 TO +60						
Size- W x D x H (in.)	Std. Battery	2.55 x 1.5 x 6.6						
	Lrg. Battery	2.55 x 1.5 x 7.8						
Weight (oz.)	Std. Battery	20						
	Lrg. Battery	24						
Standby Current Drain - mA		21*						
Antenna		BIAS WOUND MOLDED						
Stability - PPM		±5						
Channel Spacing - kHz		25						
STANDARDS		MIL-STD 810		RECEIVER Sensitivity: 12 dB Sinad - uV .30 Operating Frequency Spread 54 Selectivity - dB 70 Spurious including Image - dB 70 Intermodulation - dB 65 Audio Output - mW @ 5% dist. 500 Audio Response (per EIA) - dB +1/-3				
		C	D		E			
		Mthd.	Proc.		Mthd.	Proc.	Mthd.	Proc.
Low Pressure		500.1	1		500.2	1	500.3	1
High Temp.		501.1	1 & 2		501.2	1 & 2	501.3	1 & 2
Low Temp.		502.1	1		502.2	1 & 2	502.3	1 & 2
Temp. Shock		503.1	1		503.2	1	503.3	1
Solar Radiation		505.1	1		505.2	1	505.3	1
Humidity		507.1	2		507.2	2	507.3	2
Dust		510.1	1		510.2	1	510.3	1
Vibration		514.2	8 & 10	514.3	1	514.4	1	
Shock		516.2	1, 2 & 5	516.3	1 & 4	516.4	1 & 4	
Metal Case models only:								
Rain		506.1	1&2	506.2	1&2	506.3	1&2	
Salt Fog		509.1	1	509.2	1	509.3	1	
Unit meets U.S. Forest Service vibration and EIA RS-316B vibration and shock specifications.								
				FCC Type Acceptance ASY 90Q LT 30001 Parts: 22, 74, 90 Measurements made in accordance with applicable EIA standards. Bendix/King and the Bendix/King logo are registered trademarks of AlliedSignal, Inc., U.S. Patent & Trademark Office. BANDTRAC and CODE GUARD are Trademarks of BK Radio, Inc. © 1993 BENDIX/KING Form# 1193-EPV-LPS				
								
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