

Specifications

	VX-4104E (VHF)	VX-4204E (VHF)	VX-4107E (UHF)	VX-4207E (UHF)
General Specifications				
Frequency range	134-174 MHz		400-470 MHz	
Number of Groups	1	32	1	32
Number of Channels	8 channels	501 channels	8 channels	501 channels
Channel Spacing	12.5 / 20 / 25.0 kHz			
PLL Stepping	5/6.25 kHz			
Operating voltage	10.8 - 15.6 VDC			
Current drain	Standby	0.3 A		
	Receive	2.5 A		
	Transmit	6.0 A		
Operating Temperature range	-22° F to 140° F (-30° C to +60° C)			
Frequency Stability	±1.5 kHz			
Dimensions (WxHxD)	6.5" x 1.7" x 6.1" (165 mm x 43 mm x 155 mm)			
Weight	3.1 lbs. (1.4 kg)			
Receiver Specifications				
Sensitivity 20dB SINAD (W/N)	-4 dB μV / -2 dB μV		-4 dB μV / -2 dB μV	
Adjacent Channel Selectivity (W/N)	85 / 70 dB		75 / 65 dB	
Intermodulation	70 dB		70 dB	
Spurious Response Rejection	80 dB		80 dB	
Audio output	Internal: 2 W @ 32 ohms 5 % THD External: 12 W @ 4 ohms 5 % THD			
Spurious Radiations	-57 dBm			
Transmitter Specifications				
RF power output	25/12.5/5 W			
Maximum Frequency Deviation (12.5/20/25 kHz)	±2.5/±4.0/±5.0 kHz			
FM noise (W/N)	50 / 44 dB		48 / 42 dB	
Audio distortion	Less than 3% @ 1kHz			
Spurious Emissions	-36 dBm ≤ 1 GHz -30 dBm > 1 GHz			

Applicable Standards : EN300 086, 113, 219 · EN301 489 · EU directive 2004/104/EC
Specifications are subject to change without notice or obligation.

Applicable MIL-STD

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
High Temperature	501.1/Procedure II			
Low Temperature	502.1/Procedure I			
Blowing Sand & Dust			510.3/Procedure I	
Vibration	514.2/Procedure VIII, X	514.3/Procedure I, Cat.10	514.4/Procedure I, Cat.10	514.5/Procedure I, Cat.20,24
Shock	516.2/Procedure I, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV, VI

ISO9001:2000



ISO14001:2004



Vertex Standard

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VX-4100E/4200E SERIES

VHF/UHF Mobile Radios



- POWER OUTPUT : 25 W
- WIDE FREQUENCY SPAN
134-174 MHz (VX-4104E/4204E)
400-470 MHz (VX-4107E/4207E)
- 501 CHANNELS/32 GROUPS (VX-4200E SERIES)
- 8 CHANNELS (VX-4100E SERIES)
- LARGE LCD WITH 12-CHARACTER ALPHA-NUMERIC LABELS AND OPERATING STATUS ICONS (VX-4200E)
- WIDE/NARROW DEVIATION (12.5/20/25 kHz), PROGRAMMABLE PER CHANNEL
- CTCSS AND DCS ENCODE/DECODE
- DTMF ANI AND PAGING
- 2-TONE ENCODE AND MULTIPLE 2-TONE DECODE
- 5-TONE SIGNALLING BUILT IN
- USER-SELECTABLE TONES
- CHANNEL SCAN PLUS PRIORITY SCAN, DUAL WATCH, AND FOLLOW-ME SCAN/DW
- BUILT-IN EMERGENCY MICROPHONE
- AUDIO COMPANDER (WIDE/NARROW-BAND)
- LOUD AUDIO OUTPUT FRONT SPEAKER
- BCLO, BTLO, AND TOT
- REMOTE RADIO STUN/KILL/REVIVE (5-TONE)
- PUBLIC ADDRESS/HORN ALERT
- PROGRAMMABLE MINIMUM VOLUME
- PROGRAMMABLE FUNCTION KEYS
- USER "SET" (MENU) MODE
- D-SUB 15-PIN ACCESSORY CONNECTOR
- ARTS™ (AUTO-RANGE TRANSPONDER SYSTEM)
- OPTIONAL ENCRYPTION
- OPTIONAL VOICE STORAGE
- MIL-STD 810 C/D/E
- SmarTrunk II™ operation available

Vertex Standard
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