

Specifications

GENERAL	VHF	UHF
Frequency:	136-162 MHz (CP200 only) 146-174 MHz	438-470 MHz, 403-440 MHz, 465-495 MHz (CP200 only)
Channel Capacity:	4 or 16 Channels	4 or 16 Channels
Power Supply:	7.2 Volts ± 20%	7.2 Volts ± 20%
Dimensions H x W x D:		
with 1100 mAh NiCD and 1800 mAh Li-ion Batteries:	127.5 x 61.5 x 45mm (5.0 x 2.4 x 1.75 inches)	127.5 x 61.5 x 45mm (5.0 x 2.4 x 1.75 inches)
with 1400 mAh NiMH Battery:	127.5 x 61.55 x 43mm (5.0 x 2.4 x 1.69 inches)	127.5 x 61.55 x 43 (5.0 x 2.4 x 1.69 inches)
with 1600 mAh Slim Li-ion Battery:	127.5 x 61.55 x 42mm (5.0 x 2.4 x 1.65 inches)	127.5 x 61.55 x 42mm (5.0 x 2.4 x 1.65 inches)
Weight: with 1800 mAh Li-ion Battery:	370g (13.04 oz.)	370g (13.04 oz.)
with 1600 mAh Slim Li-ion Battery:	374g (13.19 oz.)	374g (13.19 oz.)
with 1400 mAh NiMH Battery:	444g (15.66 oz.)	444g (15.66 oz.)
with 1100 mAh NiCD Battery:	425g (14.98 oz.)	425g (14.98 oz.)
Average Battery Life @ 5-5-90 Duty Cycle:	2W 17 Hrs. 14 Hrs. 11 Hrs. 9 Hrs.	5W (CP200 only) 14 Hrs. 12 Hrs. 10 Hrs. 8 Hrs.
1800 mAh Li-ion:		2W 17 Hrs. 14 Hrs. 11 Hrs. 9 Hrs.
1600 mAh Slim Li-ion:		4W (CP200 only) 14 Hrs. 12 Hrs. 10 Hrs. 8 Hrs.
1400 mAh NiMH:		
1100 mAh NiCD:		
FCC Designation: (CP200 only)	AB299FT3045, AB299FT3039	AB299FT4056, AB299FT4057 (CP200 only), AB299FT4058

RECEIVER	VHF	VHF	UHF	UHF
	12.5 kHz	20/25/30 kHz	12.5 kHz	20/25/30 kHz
Sensitivity: (12 dB EIA SINAD)	0.25 uV (typical)	0.25 uV (typical)	0.25 uV (typical)	0.25 uV (typical)
Adjacent Channel Selectivity:	-65 dB	-70 dB	-60 dB	-70 dB
Intermodulation:	-70 dB	-70 dB	-70 dB	-70 dB
Frequency Stability: (-30° C to +60° C)	0.00025%	0.00025%	0.00025%	0.00025%
Spur Rejection:	-75 dB	-75 dB	-75 dB	-75 dB
Image and 1/2 I-F Rejection:	-70 dB	-70 dB	-70 dB	-70 dB
Audio Output @ < 5% Distortion:	500mW	500mW	500mW	500mW
TRANSMITTER	VHF	VHF	UHF	UHF
RF Output:	Low: 2W	High: 5W	Low: 2W	High: 4W
Channel Spacing:	12.5/20/25 kHz	12.5/20/25 kHz	12.5/20/25 kHz	12.5/20/25 kHz
Frequency Stability: (-30° C to +60° C)	0.00025%	0.00025%	0.00025%	0.00025%
Spurs/Harmonics:	-36 dBm < 1 GHz -30 dBm > 1 GHz	-36 dBm < 1 GHz -30 dBm > 1 GHz	-36 dBm > 1 GHz -30 dBm > 1 GHz	-36 dBm > 1 GHz -30 dBm > 1 GHz
Audio Response: (from 6 dB/oct. Preemphasis, 300 to 3000 Hz)	+1, -3 dB	+1, -3 dB	+1, -3 dB	+1, -3 dB
Audio Distortion: @ 1000 Hz, 60% Rated Max. Dev.	<3%	<3%	<3%	<3%
FM Noise:	-40 dB (12.5 kHz) -45 dB (25 kHz)	-40 dB (12.5 kHz) -45 dB (25 kHz)	-40 dB (12.5 kHz) -45 dB (25 kHz)	-40 dB (12.5 kHz) -45 dB (25 kHz)
FCC Modulation: 20/25/30 kHz 12.5 kHz	16K0F3E 11K0F3E	16K0F3E 11K0F3E	16K0F3E 11K0F3E	16K0F3E 11K0F3E

PORTABLE MILITARY STANDARDS 810 C, D, E & F

	MIL-STD 810C Method/Proc/Cat	MIL-STD 810D Method/Proc/Cat	MIL-STD 810E Method/Proc/Cat	MIL-STD 810F Method/Proc/Cat
Low Pressure:	500.1: I	500.2: II	500.3: II	500.4: I
High Temp:	501.1: I, II	501.2: I, II	501.3: I, II	501.4: I, II
Low Temp:	502.1: I	502.2: I, II	502.3: I, II	502.4: I, II
Temp. Shock:	503.1: I	503.2: I/A1C3	503.3: I/A1C3	503.4: I
Solar Radiation:	505.1: I	505.2: I, II	505.3: I	505.4: I
Rain:	506.1: I, II	506.2: I, II	506.3: I, II	506.4: I
Humidity:	507.1: II	507.2: II, III	507.3: II, III	507.4: III
Salt Fog:	509.1: I	509.2: I	509.3: I	509.4: I
Blowing Dust:	510.1: I	510.2: I	510.3: I	510.4: I
Vibration:	514.2: VIII/E	514.3: I/10, II/3	514.4: I/10, II/3	514.5: I/24
Shock:	516.2: I, II, V	516.3: I, IV	516.4: I/V	516.5: I

Accelerated Life Test

Motorola's Accelerated Life Test (ALT) is a developmental process of rigorous laboratory testing that simulates years of field use. Motorola has a firm commitment to quality and reliability. These radios have been designed, manufactured and tested to achieve high levels of component and workmanship quality. Motorola radios are designed to minimize costly repairs and downtime.

*All specifications subject to change without notice.



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