

Technical Specification

Model No.	FD-150A	FD-450A
General		
Frequency Band	VHF	UHF
Frequency Range	136-174MHz	400-470MHz
Channel Capacity	99	
Operating Voltage	6V DC \pm 15%	
Antenna Impedance	50 Ω	
Channel Spacing	25KHz	
Working Temperature	-30°C ~ +60°C	
Frequency Stability	\pm 2.5ppm	
Size (Without Antenna)	56(W) \times 106(L) \times 32mm(D)	
Weight(With Battery)	About 250g	
Battery	1,200mAh(Ni-Mh)	
Compatible With American Military Standard(MIL-STD-810C/D/E)		
Transmitter (EIA-RS 316B STANDARD)		
RF Power Output	4W/5W	
Modulation Type	F3E	
Modulation Distortion	<5%(300-3000Hz)	
Max Freq Deviation	<5KHz(1000KHz When 100%)	
FM Noise	<=-45 dB	
Receiver		
Sensitivity(12Db SINAD)	0.16 μ V	
Selectivity	55dB	
Adjacent Channel Selectivity	\geq 70dB	
Noise Respond	\geq 60dB	
Communication Range	3-5km(Downtown),6-20km(In The Open Area)	
FM Noise	45dB/40dB	
Modulation Type	16KOF3E	
Audio Power Output	500mW When Distortion Less Than 10%	
Audio Distortion	<5%	
Operating Bandwidth	\pm 7KHz	
Standby Current	<10mA	

Due to technology advancements, the technical of real products maybe slightly different from the above date