

# Technical Specification

Model No.	FD-300	FD-600
<b>General</b>		
Frequency Band	VHF	UHF
Frequency Range	136-174MHz	450-470MHz 403-420MHz
Channel Capacity	15+1	
Operating Voltage	6V DC $\pm$ 15%	
Antenna Impedance	50 $\Omega$	
Channel Spacing	25KHz	
Working Temperature	-30 $^{\circ}$ C – +60 $^{\circ}$ C	
Frequency Stability	$\pm$ 2.5ppm	
Size (Without Antenna)	56(W)x106(L)x32mm(D)	
Weight(With Battery)	About 250g	
Battery	1200mAh(Ni-Mh)	
Compatible With American Military Standard(MIL-STD-810C/D/E)		
<b>Transmitter (EIA-RS 316B STANDARD)</b>		
RF Power Output	5W4W	
Modulation Type	F3E	
Modulation Distortion	<5%(300-3000Hz)	
Max Freq Deviation	<5KHz(1000KHz When 100%)	
FM Noise	<=-45 dB	
<b>Receiver</b>		
Sensitivity(12Db SINAD)	0.1 $\mu$ V	
Selectivity	55dB	
Adjacent Channel Selectivity	>=70dB	
Noise Respond	>=60dB	
Communication Range	3-5km(Downtown),6-20km(In The Open Area)	
FM Noise	45dB/40dB	
Modulation Type	16KCF3E	
Audio Power Output	500mW When Distortion Less Than 10%	
Audio Distortion	<5%	
Operating Bandwidth	$\pm$ 7KHz	

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