

Specifications

General	TC-700
Frequency Range	UHF: 350~390MHz, 400~450MHz, 400~470MHz, 420~470MHz, 440~490MHz, VHF: 136-174MHz
Channel Capacity	16
Channel Spacing	25/20/12.5 KHz
Operation Voltage	7.4V
Battery	1700mAh(Li-ion)
Battery Life (5-5-90 duty cycle)	14 Hours
Frequency Stability	±2.0 PPM
Operating Temperature	-30°C~+60°C
Antenna Impedance	50Ω
Dimension (L×W×H) (without antenna & battery) (mm)	119×54×34
Weight (g) (with antenna & battery)	315

Transmitter	TC-700
RF Power Output	5W/2W/1W (VHF) 4W/2W/1W (UHF)
Modulation	F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	45/40dB
Audio Distortion	≤5%

Receiver	TC-700
Sensitivity	0.25/0.35 μV
Selectivity	70/60dB
Intermodulation	65dB
Spurious Response Rejection	70dB
S/N	45/40dB
Audio Power Output	0.5W
Audio Distortion	≤3%

■ Above specification are tested according to TIA/EIA - 603
Above specifications are subject to change without notice due to technology enhancement.

Applicable MIL-STD 810C/D/E/F

Standard	MIL 810 C Methods / Procedures	MIL 810 D Methods / Procedures	MIL 810 E Methods / Procedures	MIL 810 F Methods / Procedures
Low Pressure	500.1/ Procedure I	500.2/ Procedure I,II	500.3/ Procedure I,II	500.1/ I
High Temperature	501.1/ Procedure I,II	501.2/ Procedure I,II	501.3/ Procedure I	501.4/ I
Low Temperature	502.1/ Procedure I	502.2/ Procedure I,II	502.3/ Procedure I,II	502.4/ I,II
Temperature Shock	503.1/ Procedure I	503.2/ Procedure I	503.3/ Procedure I	503.4/ I
Solar Radiation	505.1/ Procedure I	505.2/ Procedure I	505.3/ Procedure I	505.4/ I
Rain	506.1/ Procedure I,II	506.2/ Procedure I,II	506.3/ Procedure I,II	506.4/ I,II
Humidity	507.1/ Procedure II	507.2/ Procedure II,III	507.3/ Procedure II,III	507.4/ I
Salt Fog	509.1/ Procedure I	509.2/ Procedure I	509.3/ Procedure I	509.4/ I
Dust	510.1/ Procedure I	510.2/ Procedure I	510.3/ Procedure I	510.4/ I
Vibration	514.2/ Procedure VIII,X	514.3/ Procedure I	514.3/ Procedure I	514.5/ I
Shock	516.2/ Procedure I,II,V	516.3/ Procedure I,IV	516.4/ Procedure I,IV	516.5/ I,IV



Shenzhen HYT Science & Technology Co., Ltd.

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Professional Two-way Radio



TC-700

Seven Super Functions

- WIDE-BAND COVERAGE
- HIGH-QUALITY AUDIO OUTPUT
- SAFETY ASSURANCE
- BUILT-IN SCRAMBLER
- WHISPER
- CHANNEL ANNUNCIATION
- HDC2400™ HYT SIGNALING PROTOCOL