

TH-680



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Type	Parameter Item	Specification	
Mechanical Properties	Model No.	TH - 680	
	Dimension	38 (H) × 58 (W) × 135 (L) mm	
	Weight	320g	
	Working Temperature	-30°C to +75°C	
Basic Parameter	Working Voltage	6.4V ~8.4V (Standard 7.6V)	
	Working Current	310mA @ UTMS 2100/900 280mA @ GSM 900	
	Peak Current	1.8A	
RF Parameter	LTE FDD	B1 : 2100MHz B3 : 1800MHz B7 : 2600MHz B8 : 900MHz B20 : 800MHz	
	WCDMA	Band1 : 2100M OR Band2 : 1900M Band8 : 900M Band5 : 850M	
	GSM	GSM/GPRS : 900 / 1800 MHz	
	Maximum Output power	WCDMA 900 / 2100M : Power Class3 (+24dBm +2.5dBm / -1.5dBm); GSM / GPRS 850 / 900M : Power Class4 (+33dBm +2.5dBm / -0.5dBm); GSM / GPRS 1800 / 1900M : Power Class1 (+30dBm +2.5 dBm / -0.5dBm);	
	Receiving Sensitivity	WCDMA 900 : ≤ -108 dBm; WCDMA 2100 : ≤ -109 dBm ; GSM 900/1800 : ≤ -106 dBm	
GPS	GPS	GPS Positioning, 1.57542GHz;	
	Sensitivity	Catch -144dBm, Track -159dBm;	
Technology Standard	Data Speed Rate	GSM CS : UL 9.6kpbs / DL 9.6kpbs GPRS : Multi-slot Class 10 EDGE : Multi-slot Class 12 WCDMA CS : UL 64kpbs / DL 64kpbs WCDMA PS : UL 384kpbs / DL 384kpbs	
	Protocol	HSDPA / WCDMA / EDGE / GPRS / GSM	
Analog Parameter	GENERAL		
	Frequency Range	UHF : 400-480MHz OR VHF : 136-174MHz or 240-260MHz	
	Channel Number	199	
	Channel Space	25 / 12.5KHz	
	Frequency Stability	±2.5 ppm	
	TRANSMITTER		
	Power Output	Wide band	Narrow band
		5W	
	Modulation	16KΦF3E	11KΦF3E
	Spurious Emission	≤-36dBm	≤-36dBm
	Adjacent Channel Power	≥70dB	≥60dB
	RECEIVE		
	RF Sensitivity (12db SINAD)	0.20 μV	0.20 μV
	Adjacent Channel Selectivity	≥60dB	≥55dB
	Intermodulation Rejection	≥65dB	≥60dB
Spurious Response	≥65dB	≥65dB	