



ftech Corporation

16 Nan-ke 9th Rd Science-based Industrial Park, Tainan 741, Taiwan, R.O.C.

Tel:+886-6-6008999 Fax:+886-6-5050826

<http://www.f-tech.com.tw>



Part Number FGPMO162

Technical Specification

	Min.	Typ.	Max.
Receiver		L1, C/A code	
Correlators/Channels		32/8	
Update Rate	1/minute	1/second	1/second
Satellite Reacquisition Time		1 second	
HotStart		12 seconds (50%)	
Warm Start		32 seconds (50%)	
Cold Start		120 seconds (50%)	
Tracking Sensitivity		-143dBm	
Power Consumption (VCC) @ 3.3 V <ul style="list-style-type: none">Active mode, searching & tracking (v 2.2)		19 mA (avg.)	
Voltage Supply VCC	3 V	3.3 V	3.65 V
Back Up Voltage Supply VRTC BK	1.9 V		3.65 V
Output Protocol		NMEA 0183, v3.0	
Position Accuracy <ul style="list-style-type: none">Horizontal, SA offDGPS corrected		5 meters CEP (50%) 1 meter	
Timing output accuracy	- 100 nanosec.		100 nanosec.

FGPMO162 has a solder active antenna.



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Antenna Specification

Voltage	2.7V	3.3V	5V
Current Consumption	4mA	5~6mA	9mA
Fo		1575.42MHz	
Bandwidth		2.046MHz	
Operation Temperature (centigrade)		-40~80°C	
Output VSWR		2	
Impedance		50W	

Patch Antenna

Polarization		R.H.C.P.	
Gain to Fo		3dBi	
Impedance		50W	

Pre Amplifier (dB)

Gain to Fo	19dB	21dB	23dB
Noise Figure		2.5dB	
Impedance		50W	

Dimensions



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變更記號 或 配件 REVISIONS or PARTS REV. DESCRIPTION BY DATE		TOLERANCES 尺寸公差 (±0.2) .X ±0.1 .XX ±0.03 .XXX ±0.01 ANGLES ±2°		繪圖標準 TITLE KIT/GPS 材料 MATERIAL 處理 TREATMENT 部品圖名 DWG. NAME	
單位 UNIT mm 比例 SCALE 1:1 日期 DATE 設計 DESIGN BY 繪圖 CHECK BY 核准 APPROVAL BY Jiun-Shin 立群科技股份有限公司 ftech Corporation		元件編號 PART NO. 數量/組 Q'TY/SET 製作數量 RE. Q'TY		圖號 DRAWING NO. FT5RK00261 REV	