



Product Name: GPS Antenna Module

Part Number: AM-25

Features:

- Gain:28 dB
- Ultra-high sensitivity
- Voltage:2.5~5.5V DC
- Current: 7.5mA @5V.
- 25mm(L) x 25mm(W) x 8mm(H)

Application:

- External Antenna for Handheld GPS / PDA / PC for GPS Navigation

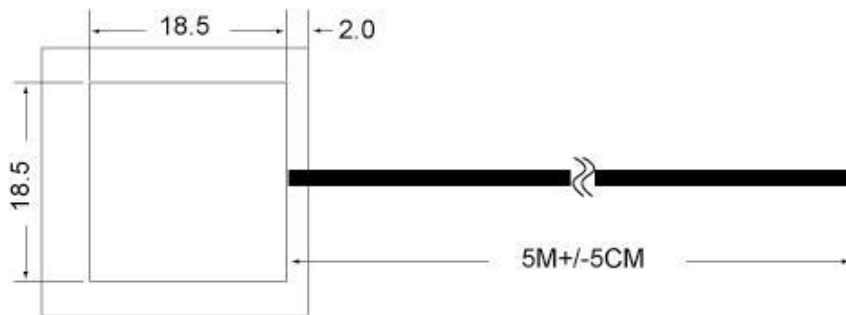
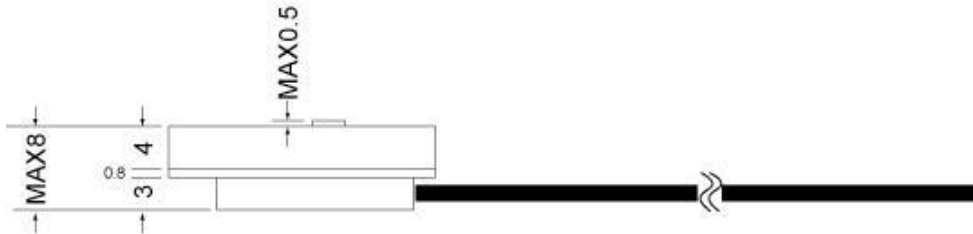
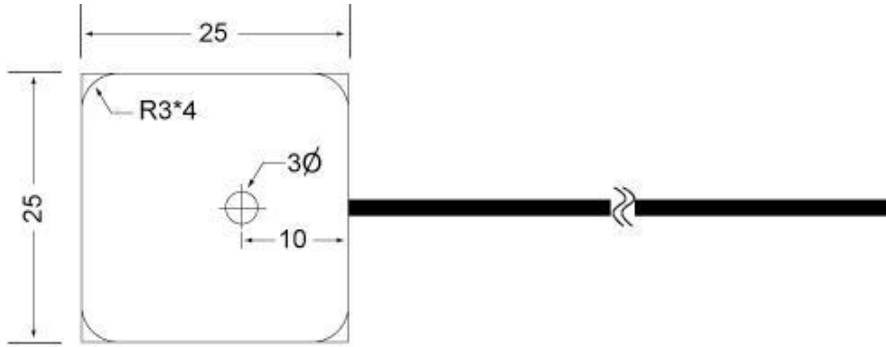
I. Specifications:

PHYSICAL CONDITION	
Dimension:	25mm (L) x 25mm (W) x 8mm (H)
Weight:	6 g
Standard Mounting:	Solder
Electrical Specifications	
Input voltage	2.5V~5.5V
Power Consumption	at 2.5V 6.6mA Typ.
	at 3.0V 8.6mA Typ.
	at 4.0V 12.6mA Typ.
	at 5.0V 16.6mA Typ.
ANTENNA ELEMENT	
Frequency range:	1575.42 ± 1.023 MHz
Gain at 10° elevation:	-1 dBic Typ.
Gain at Zenith:	5.0 dBic Typ.
Bandwidth:	10 MHz min. @S11≤-10 dB
Polarization:	RHCP
Axial Ratio:	3.0 dB Typ.
LOW NOISE AMPLIFIER	
Frequency range:	1575.42 ± 1.023 MHz
Gain:	28 dB Typ.
Noise Figure:	1.5 Typ.
Filter:	20dB 25dB @ fo+/- 50MHz 30dB 35dB @ fo+/- 100MHz * fo=1575.42MHz
Output Impedance:	50 ohm
Output VSWR:	2.0 max.
CABLE & CONNECTOR	
RF Cable:	OD1.13(standard) RG174, RG178, OD1.48, OD1.32 as customized options
Connector Available:	H.FL, u.FL, I.PEX, SMA, open or others are available in straight or right angle type.
Optional Adapters:	FME~MCX, FME~BNC, FME~SMA, FME~SMB, FME~TNC
ENVIRONMENTAL CONDITIONS	
Operating Temperature:	-30 °C ~+80 °C
Storage Temperature:	-40 °C ~+90 °C
Relative Humidity:	10~95% non-condensing
CE Approval	EN 301 489-1 & EN 301 489-19

* This specification is subject to change without prior notice

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II. Mechanical Drawing (Unit:mm):



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