

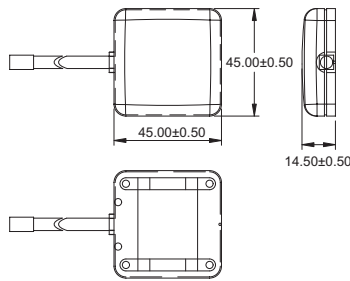
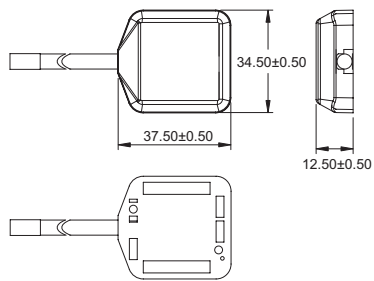


Application	Automotive, recreational, marine, aviation, handheld system					
Product Name	GPS03B			GPS10D		
Appearance	 RoHS			 RoHS		
Specifications						
Mechanical						
Cable Type	RG-174					
Cable Length	2m, 3m, 5m					
Mounting Method	Magnet					
Connector Type	SMA & Others					
Color	Black					
Electrical						
Patch Performance						
Center Frequency (MHz)	1575.42±1.023 MHz (when covered with a radome and measured by 70x70mm ground plane)					
Bandwidth (10dB return loss)(MHz)	10MHz min.					
Gain at Zenith (dBic)	5.0 dBic typ.					
Gain at 10° elevation (dBic)	- 1.0 dBic min.					
Polarization	R.H.C.P					
Impedance (Ω)	50					
Axial Ratio	1.0 dB typ.					
LNA Performance						
Center Frequency	1575.42±1.023 MHz					
Gain	27 dB typ.					
Noise Figure	1.5 dB typ.					
Filter Out Band Attenuation	Dielectric (fo=1575.42MHz) 7dB typ. fo±20MHz 20dB typ. fo±50MHz 30dB typ. fo±100MHz					
Output V.S.W.R.	2.0 max					
Voltage	5.0V	4.0V	3.3V	5.0V	4.0V	3.3V
	DC=5±1.0V	DC=4±1.0V	DC=3.3±0.6V	DC=5±1.0V	DC=4±1.0V	DC=3.3±0.6V
Current	9mA typ. 12mA max.	11mA typ. 15mA max.	9mA typ. 12mA max.	12mA typ. 15mA max.	15mA typ. 19mA max.	12mA typ. 15mA max.
Dimensions (mm)	45 x 45 x 14.5			37.5 x 34.5 x 12.5		
						

* All value are defined at 25±15°C, 65±20% RH, power handling 1 u watt, air pressure 960±100 HPA unless otherwise noted.

* Patch characteristics are measured with 70x70 mm ground plane in an anechoic chamber.