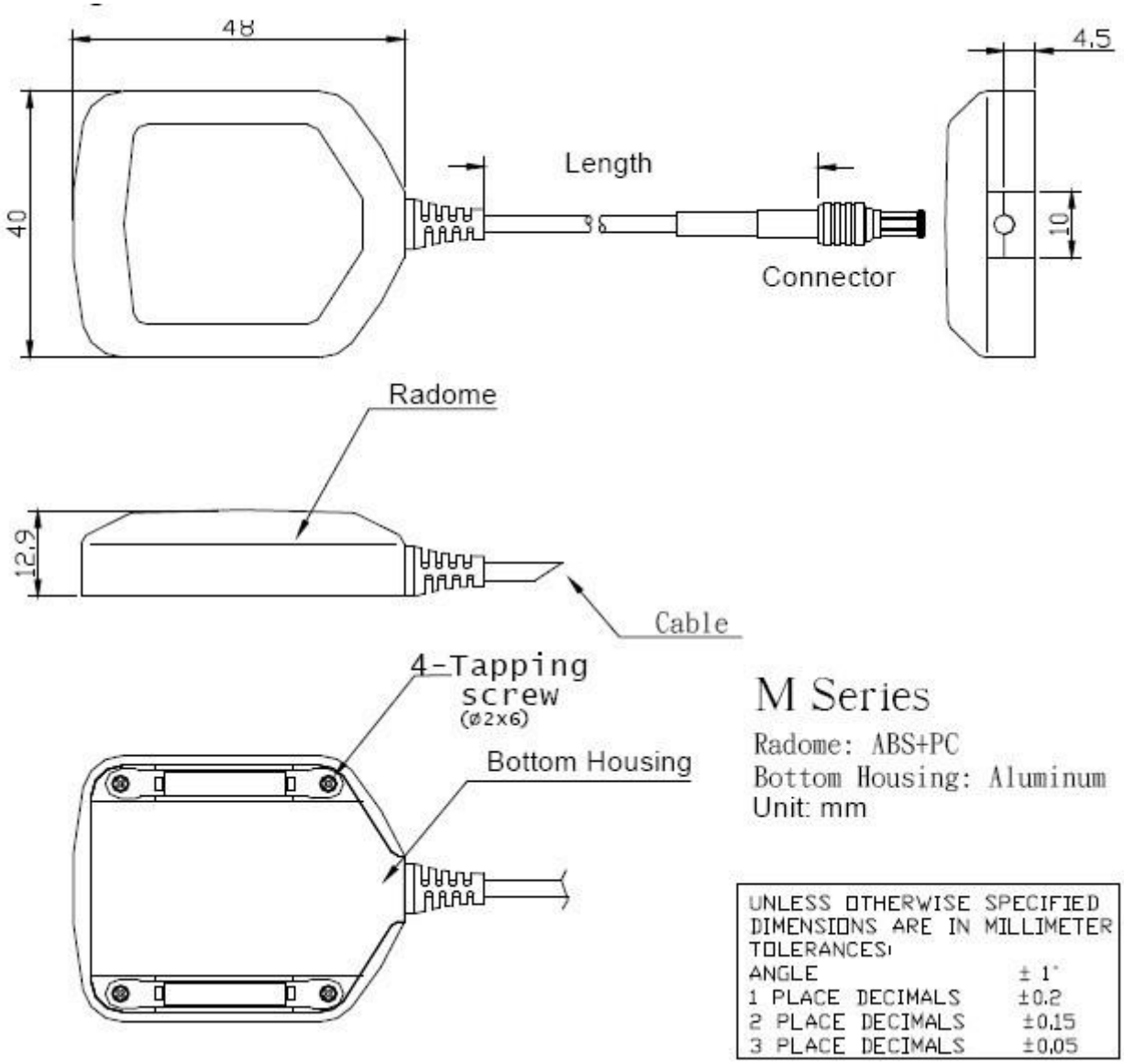
KLS1-GPS-01-SMA (Active Antenna)



GPS Active Antennas:

Order Information

KLS1-GPS-01A-SMA-MS-RG174-1000MM
Series-01A(Size:48x40x13mm)/ 01B(Size:43x34x13 mm)/01C(Size:34x30x13 mm)
Connector Type:SMA,SMB,SMC,BNC,FME,TNC,MCX ,MMCX
Connector Type:MS-SMA Male Straight Connector / MR-SMA Male Right Connector
FS-SMA Female Straight Connector / FR-SMA Female Right Connector
Cable Type:RG174
Cable Length-1000mm,3000,5000 or other

Features :

Compatible with GPS receivers/systems with a SMA connector for external antennas
Built-in GPS signal amplifier to enhance and improve GPS signal reception
Optional mounting: removable magnetic mount or adhesive mount (Default: magnetic mount)
Optional straight or right angle connector type (Default: straight type)

Specifications

Dieletric Antenna :

Center Frequency: 1575.42MHz±3 MHz
V.S.W.R 1.5:1
Band Width: ±5 MHz
Impendence: 50 ohm
Peak Gain >3dBic Based on 7 x 7cm ground plane
Gain Coverage >-4dBic at -90° to +90° (over 75% Volume)
Polarization: RHCP

LNA/Filter :

LNA Gain (without cable): 28dB typical
Noise Figure 1.5dB
Filter Out Band Attenuation: (f0=1575.42 MHZ)
7dB in f0+/-20MHZ
20dB in f0+/-50MHZ
30dB in f0+/-100MHZ
V.S.W.R < 2.0
DC Voltage 2.2V to 5.0V
DC Current < 15mA

Mechanical :

Weight: <110gram
Size: 48 x 40 x 13 mm or 43x34x13mm or 34x30x13 mm
Cable: RG174 5 meter or other
Connector: SMA or SMA/SMB/SMC/BNC/FME/TNC/MCX /MMCX
Mounting: magnetic base or adhesive
Housing color: Black

Environmental :

Working Temp: -40oC~+85oC
Storage Temp: -45oC~+100oC
Vibration Sine sweep: 1g(0-p)10~50~10Hz each axis
Humidity Humidity: 95%~100% RH
Weatherproof: 100% Waterproof
Compatible GPS Devices:
All GPS receivers/systems with a SMA connector for external antennas.