



external GPS antenna

Model: XT9



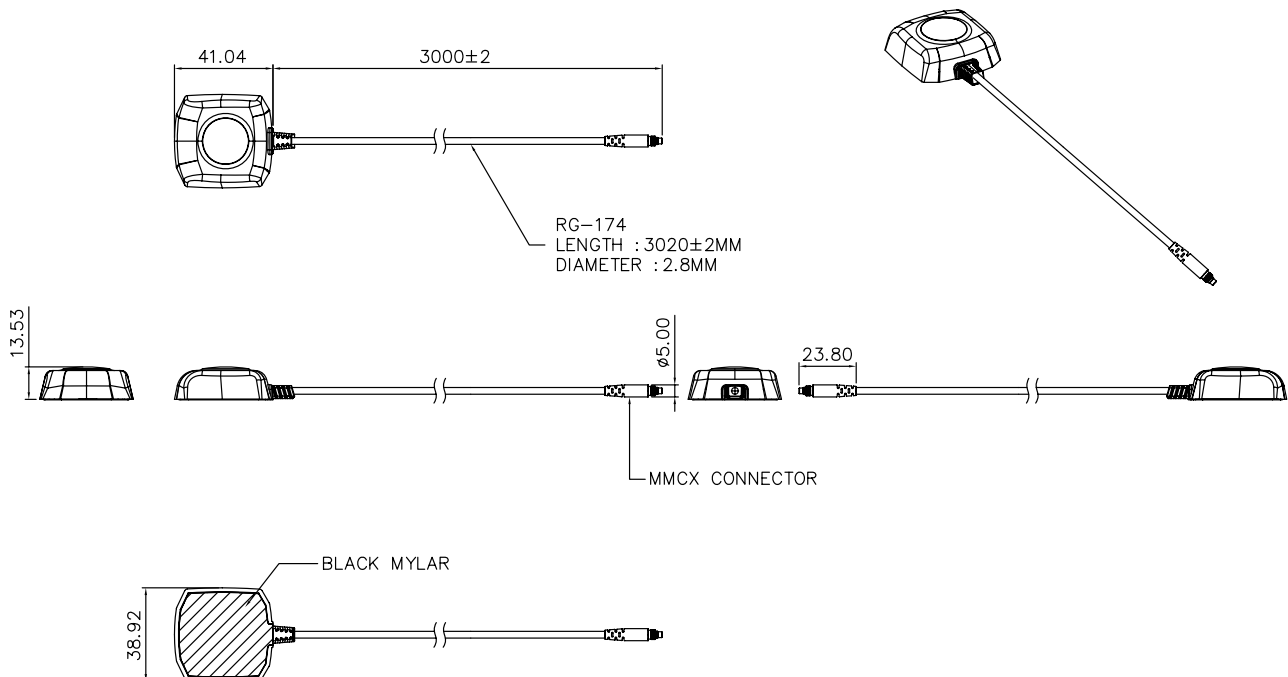
XT9 is an external GPS active antenna with low noise amplifier designed specifically for integration in vehicles used in aftermarket. Providing excellent signal amplification and out-band-rejection for receiver, XT9 is perfect for GPS application requiring high-sensitive receiving antenna. Magnet design enables discreet mounting on metal inside the vehicle with no drilling required.

Optional antenna design, certification, testing, and manufacturing service of combining GPS antenna with other antenna system (AM/FM, GSM) enable automotive industry to provide a full-integrated infotainment antenna system with one-stop worry-free service.

Key Features:

- Compact 41 x 41 x 13.5 mm dimension is ideal for new ergonomic applications.
- Durable weather-resistant design and temperature range $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ ensure reliable performance.
- Standard MMCX Connector (SMA connector optional).

Mechanical Outline:



Specifications:	
Antenna	
Frequency Range	1575.42 MHz
VSWR	2.0 Max.
Peak Gain	3 dBi
Polarization	RHCP
Impedance	50 Ohm
Axial Ratio	3dB Max.
LNA	
Frequency Range	1575.42 ± 1.5MHz
Gain	27 dB (typical 25°C ± 5°C), 24~30dB over temperature (-20°C ~ +85°C)
Noise Figure	0.9 dB (typical 25°C ± 5°C), 1.2dB over temperature (-20°C ~ +85°C)
Output Impedance	50 Ohm
Output VSWR	2.0 Max.
Cable & Connector	
RF Cable	RF coaxial cable, RG174, length 3±0.04 meters
RF Connector	MMCX type
Power & Environmental	
Input Voltage	Min. 2.7V, typical 3.3V, Max. 5.5V
Current Consumption	Max. 25mA@ 3.3V
Operation Temperature Range	-20°C ~ +70°C
Storage Temperature Range	-20°C ~ +70°C
Relative Humidity	90% at 70°C for 72hours
Strength of Cable - stopper	5Kgs
Strength of Cable - connector	5Kgs

Ordering Information:	
XT9	external GPS antenna



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Sales-a@unex.com.tw
<http://www.unex.com.tw>