Timing Antenna HX-CT3602A

Harxon
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Timing Antenna HX-CT3602A supports GPS, GLONASS and GALILEO signal reception. It's especially designed for timing, mobile, precision and military applications. It can provide truly circular response over the antenna's entire bandwidth thereby producing superior multipath signal rejection.

This antenna features a highly circular wideband patch element with a high-performance Low Noise Amplifier. This configuration provides excellent axial ratio that is constant across the full frequency band.

HX-CT3602A is housed in a permanent mount industrial-grade weatherproof enclosure and is available with a wide variety of connectors. This antenna is also customizable in radome. Conical radomes are recommended for permanent locations to ward off birds and shed ice / snow.



APPLICATIONS

- GPS / GLONASS/GALILEO Long cable Mobile/fixed Installations
- High Accuracy & Mission Critical Global Positioning
- Precision Agriculture, Mining & Construction
- Military & Security
- Law Enforcement & Public Safety
- Fixed installations

FEATURES

- Excellent circular polarisation
- Long cable runs
- Excellent signal to noise ratio
- Excellent multipath rejection
- Exceptional out-of-band rejection
- Increased system accuracy
- Ideal for harsh environment

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PERFORMANCE

Signal Received	
GPS	L1
GLONASS	L1
GALILEO	E1
BDS	B1i/B1c
QZSS	L1
VSWR	≤2.0
Polarization	RHCP
Peak Gain	>3dBic
Impedance	50 ohm
Beam Width	60°
Axial Ratio	≤3dB max
Out-of-band Rejection	>60dB(f0±100MHz)
LNA Gain	28±3dB
Noise Figure	≤3.5dB max
Supply Voltage Range	2.7～9V
Supply Current	9±3mA

MECHANICAL

Size	φ60*54mm
Weight	≤85g
Radome / Enclosure	PC
Connector	TNC Female
Mount	Screws Mount
Color	White(Black optional)

ENVIRONMENTAL

Operating Temperature	-60℃~+85℃
Storage Temperature	-60℃~+85℃
Mechanical Vibration	
Sine sweep 1g(0-p),10~55~10Hz each axis	
IP Rating (housing)	IP67

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Version 3 Specifications subject to change without notice.
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STRUCTURE(unit： mm)

