

Timing Antenna HX-CT3602A

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.



FEATURES

- 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

APPLICATIONS

- 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 $> 3\text{dBic}$

Impedance 50 ohm

Beam Width 60°

Axial Ratio $\leq 3\text{dB max}$

Out-of-band Rejection $> 60\text{dB}(f_0 \pm 100\text{MHz})$

LNA Gain $28 \pm 3\text{dB}$

Noise Figure $\leq 3.5\text{dB max}$

Supply Voltage Range 2.7~9V

Supply Current $9 \pm 3\text{mA}$

MECHANICAL

Size $\phi 60 * 54\text{mm}$

Weight $\leq 85\text{g}$

Radome / Enclosure PC

Connector TNC Female

Mount Screws Mount

ENVIRONMENTAL

Operating Temperature $-60\text{C} \sim +85\text{C}$

Storage Temperature $-60\text{C} \sim +85\text{C}$

Mechanical Vibration

Sine sweep 1g(0-p), 10~55~10Hz each axis

IP Rating (housing) IP67

en.harxon.com

sales@harxon.com

9/F, Block B, Building D3, TCL International

E City, NO.1001 Zhongshanyuan Road,

Nanshan District, Shenzhen, China

Tel: +86-755-26989948

Fax: +86-755-26989994

Version 3 Specifications subject to change without notice.

GLEAD Model: SSAM1582RWBV17_J

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STRUCTURE(unit: mm)

