

# 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

# Timing Antenna HX-CT3602A

## PERFORMANCE

### Signal Received

GPS L1

GLONASS L1

GALILEO E1

BDS B1i/B1c

QZSS L1

**VSWR**  $\leq 2.0$

**Polarization** RHCP

**Peak Gain**  $> 3\text{dBic}$

**Impedance** 50 ohm

**Beam Width**  $60^\circ$

**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

**Color** White(Black optional)

## ENVIRONMENTAL

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

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

### Mechanical Vibration

Sine sweep  $1\text{g}(0\text{-p}), 10\text{-}55\text{-}10\text{Hz}$  each axis

**IP Rating (housing)** IP67

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**Version 3** Specifications subject to change without notice.

GLEAD Model: SSAM1582RWBV17\_J

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## STRUCTURE(unit: mm)

