

ANT-GNSS-CSM-02-3m Series

GNSS antennas with SMA (male) connector



Features and Benefits

- Waterproof housing to protect against high-temperature and high-pressure water jets
- High-gain antenna to enhance performance
- Cone-shaped design to reduce the effects of snow and dust coverage
- 3-meter cable
- Flexible installation
- SMA connector (male) supported

Introduction

The ANT-GNSS-CSM-02-3m Series is an omnidirectional cone-shaped antenna suitable for GNSS applications. The antenna provides a gain of 2 dBic and is designed to operate in temperatures ranging from -40 to 85°C.

Specifications

Antenna Characteristics

Frequency	1561 to 1606 MHz
Antenna Type	Directional
Typical Antenna Gain	Without low noise amplifier: -0.5 dBic @ 1561 MHz (BDS) 2 dBic @ 1575.42 MHz (GPS) 0.6 dBic @ 1598 to 1606 MHz (GLONASS) With low noise amplifier: 35 dB
Connector	SMA (male)
Impedance	50 ohms
Polarization	RHCP
V.S.W.R.	< 2.0 (max.)

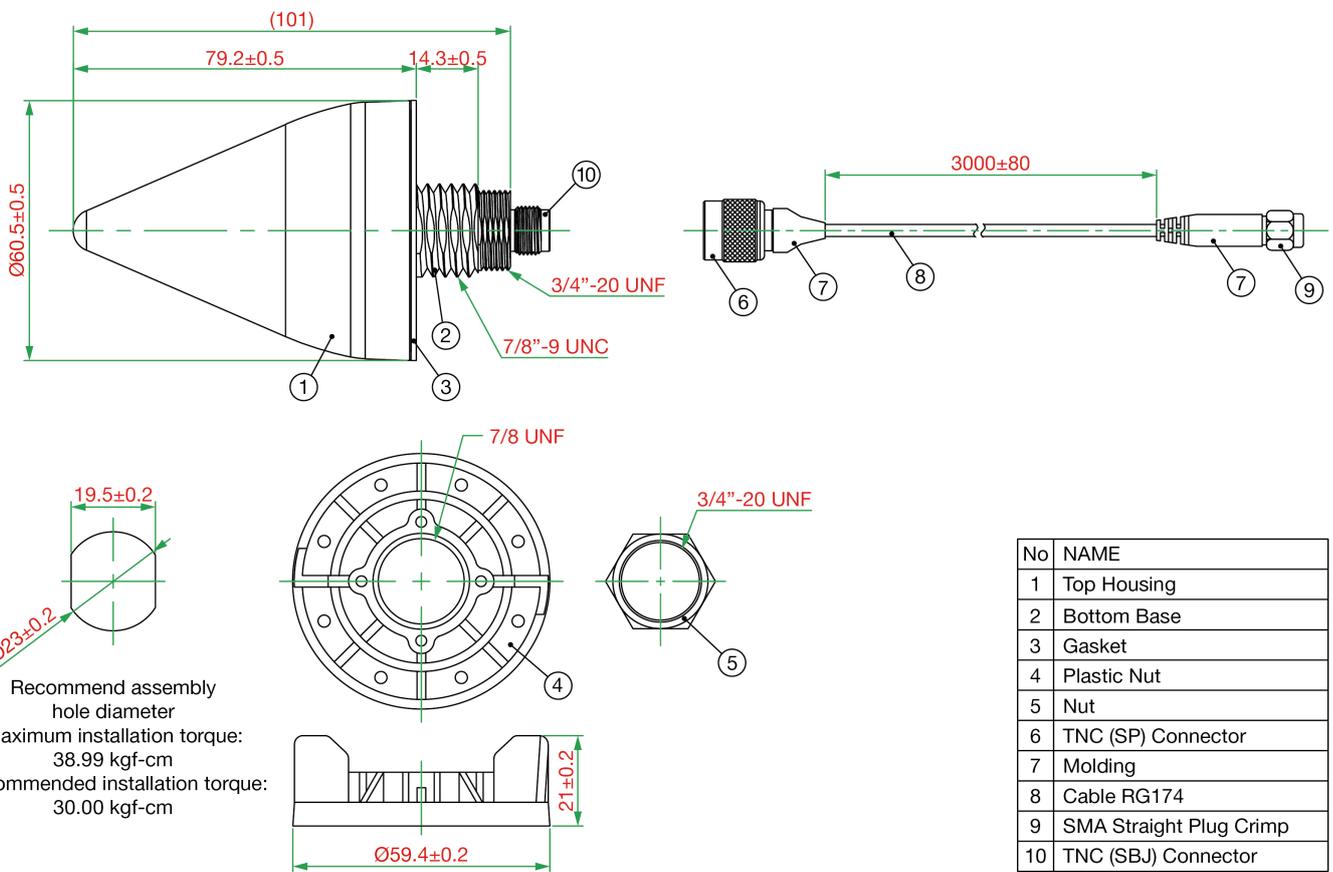
Physical Characteristics

Weight	Without cable and connector: 125 g (0.28 lb)
Dimensions	φ 60.5 (D) x 79.2 (H) mm
Radome Color	White
Radome Material	Plastic
Installation	Screw mount
Cable	RG-174

Cable Length	3 m
IP Rating	IP67
Environmental Limits	
Operating Temperature	-40 to 85°C (-40 to 185°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)
Warranty	
Warranty Period	1 year
Details	See www.moxa.com/warranty

Dimensions

Unit: mm



Ordering Information

Model Name	Frequency	Antenna Type	Antenna Gain	Connector Type
ANT-GNSS-CSM-02-3m	1561 to 1606 MHz	Omnidirectional	2 dBic	SMA (male)

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