

Timing 3000 Antenna



General Description:

The Timing 3000 is a 100% form, fit, function replacement for the original Motorola Timing2000 GPS Antenna.

- Dual Pole Filter 40dB minimum at +/- 50MHz
- Rugged N Style Coaxial Connector
- Mounts with optional Right Angle Bracket or Pipe Adaptor
- Designed for fixed mount Precision Timing and Network Synchronization
- 25 dB Gain Typical

General Characteristics:

Parameter	Value
Operating Frequency:	1575.42 MHz, +/-2 MHz
Input Impedances:	50 Ohm
VSWR:	1.5 (typical)
Bandwidth:	25 MHz (typical) +/- 3dB points
Polarization:	Right Hand Circular
Azimuth Coverage:	360°
Elevation Coverage:	0° to 90°
Gain Characteristics of Antenna Element:	+2.0 dBic minimum at zenith -10 dBic minimum at 0° elevation
Filtering:	40dB minimum @ +/-50 MHz
LNA Gain:	25dB (typical)
Noise Figure:	1.5dB (typical)
Dynamics:	Vibration: SAE J1455

Electrical Characteristics:

Parameter	Value
Power Requirements:	5 +/- 0.25 Vdc
Power Consumption:	26mA @ 5 Vdc (typical)

Physical Characteristics:

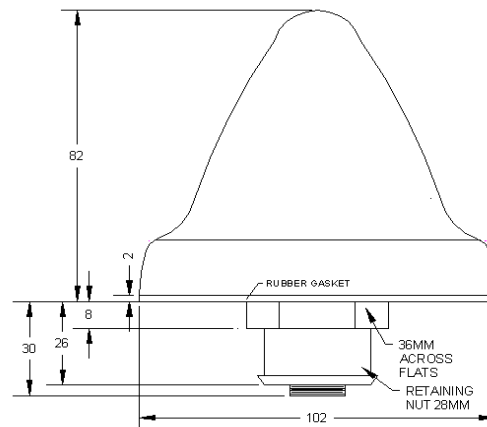
Parameter	Value
Dimensions:	102 diameter x 82 height (mm)
Weight:	312 grams
Mount:	Center mount (M28 nut)
Connector:	N-Connector (jack style)

Environmental Specifications:

Parameter	Value
Operating Temperature Range:	-40° C to +85° C
Storage Temperature Range:	-40° C to +100° C
Humidity:	95% noncondensing
UV Radiation:	JIS D0202 (Sunshine Carbon Arc System)
Salt Spray Test:	Spray 5% NaCl solvent at 35°C
Immersion Test:	1 meter (with connector sealed)
Transient Voltage Test:	+/- 12 kV

Note: All performance measurements are typical and referenced to 25°C unless indicated otherwise.

Dimensional Drawing:



Ordering Information:

Part Number	Configuration
10001724	with N connector

Accessories:

Part Number	Configuration
10001725	Right angle mount bracket
10001511-1	Converts M28x1 to 3/4in NPT & 1-14 Marine
10001511-0	Converts M28x1 to 1.0 in I.D. with setscrew

For configuration assistance, order placement and technical support call:

	<p>SYNERGY SYSTEMS, LLC <i>Time proven products and support</i></p>	<p>Phone: (858) 566-0666 · Fax (858) 566-0768 Email: oeminfo@synergy-gps.com · www.synergy-gps.com</p>
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