MobileMark
antenna solutions

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GPS-only, Heavy Duty Timing 1575 MHz

GPS Timing Antenna

Standard Pole Mount
NT-MK

- Water and shock resistant
- Passes EN 300 019-2-4 high vibration
- Typical applications including network synchronization
- Mounting options: Surface Mount, Pole Mount or direct Pipe Mount

This Heavy Duty GPS Timing Antenna can be used for a wide variety of applications including network synchronization in equipment cabinets and cell towers, geographic surveying, railroad track-side electronics shacks and agri-business planting.

The NT-1575 GPS Timing Antenna is housed in a rugged and weather-resistant radome that has undergone rigorous temperature, moisture, shock and vibration testing.

The antenna has a 5dBi nominal patch element and a 26 dB L.N.A. and is designed for right-hand circular polarization (RHCP).

The interior of the antenna is completely sealed with high impact foam. The radome is made from UV resistant ASA plastic. It will resist impact and will not discolor from the sun or elements.

The compact antenna measures 1.6-inches (40mm) tall by 3.66-inches (93mm) in diameter. It terminates with a TNC Jack connector and can be surface mounted to a ¾-inch diameter hole or pole mounted on pipes up to 2 ½ inches outside diameter.

The standard mount for the NT-1575 GPS Timing Antenna is an L-bracket. This sturdy bracket provides a secure platform for the antenna and may be mounted to a pole with an outside diameter 2 ½ inches (6.3 cm).

An adaptor for direct mounting to a pipe is also available.

The antenna has been tested to and passed the following industry standards: EN 300 019-2-4 and IEC 60068. The antenna has also been rated at IPx7 for water ingress resistance and has an ESD rating of 15KV.

Model #	Description
NT-1575-WHT	GPS, 1575.42 +/- 2 MHz
NT-1575-WHT-SP205	High Gain 32 dB +/- 2 dB
NT-MK	L-bracket mount

The NT-1575 is available in White only

Specifications

Frequency:	GPS, 1575.42 +/- 2 MHz	Connectors:	TNC Jack (Female)
Gain:	5 dBi nominal RHCP	Case Material:	UV resistant ASA
VSWR:	2:1 max over range	Color:	White
Impedance:	50 Ohm nominal		
Amplifier Bias:	2.7 to 5 VDC	Mounting:	¾" dia. x ½" long (19mm x 13mm) threaded metal stud, with Nut
Amplifier Current:	30 mA (max), 10 mA (typical)		
Noise Figure:	2.0 dB max, 1.7 dB typical		
Amplifier LNA gain:	26 dB +/- 2 dB (Optional High gain 32 dB +/- 2 dB)		
Case:	3.7"D x 1.6"H (93 mm x 40 mm)	Shock and Vibration:	EN 300 019-2-4, IEC 60068
		Water Ingress:	IPx7
		ESD Resistance:	15 kV
Operating Temp:	-40° to +85°		
Dimension:	3.75"L x 1 1/4"W x 3/8"D 95 mm x 32mm x 9 mm		

Special configurations available upon request. Please consult your sales representative for details/availability.