



# Omni directional GPS Antenna

## MODEL: HA-26

Cutting-edge Omni directional GPS Antenna that sets you free from concerns of reception pattern



©2008 San Jose Technology, Inc. All specifications subject to change without notice.

**Our** Omni directional antenna **HA-26** is designed mainly to improve reception in certain types of terrain.

For typical GPS antennas, also known as directional antennas, focus energy in a particular direction. An antenna of this kind are largely used in certain base station applications where coverage over a sector by separate antennas is desired, which means the antenna's performance is generally subject to its particular reception pattern.

For an Omni directional antenna, such as our **HA-26**, is highly ideal for mobile, portable, and those base station applications where the type of antenna needed has an Omni directional reception pattern. **HA-26** receives excellently in all horizontal directions, enabling users to work well with this unique GPS antenna without concerning the antenna's reception pattern at all.

### Features:

- Omni directional reception pattern
- Excellent performance in all horizontal directions
- Compact Size: 19.2mm (L) x 18mm (D) x 70.5mm (H)
- Excellent Temperature Stability
- Low Noise Figure
- Ultra-High Sensitivity

### Applications:

Mobile, portable, and those base station applications where the type of antenna needed has an Omni directional reception pattern

### Specifications:

<b>PHYSICAL CONSTRUCTION</b>		
Construction: The body made of PC and PBT, with the base of zinc.	Bandwidth: 2 MHz min.	
Dimension: 19.2mm (L) x 18mm (D) x 70.5mm (H)	Current Consumption: 24mA~30mA	
Weight: 17 grams	Output Impedance: 50 ohm	
<b>CABLE &amp; CONNECTOR</b>		
Connector Available: SMA	<b>OVERALL PERFORMANCE (Antenna Element &amp; LNA)</b>	
<b>ANTENNA ELEMENT</b>		
Center Frequency: 1575.42 MHz +/-1.023MHz	Center Frequency: 1575.42 MHz.	
Polarization: R.H.C.P. (Right Handed Circular Polarization)	Gain: 30 dB min.	
Antenna Gain: +3 dBi typically	Noise Figure: 2.0 max.	
Axial Ratio: 3 dB max.	Axial Ratio: 3 dB max.	
Output VSWR: 1.5 max.	Bandwidth: 2 MHz min. VSWR: 2.0 max.	
Output Impedance: 50 ohm	Output Impedance: 50 ohm	
<b>LOW NOISE AMPLIFIER</b>		
Center Frequency: 1575.42 MHz +/- 1.023 MHz.	<b>ENVIRONMENTAL CONDITIONS</b>	
LNA Gain: 30 dB typically	Operating Temperature: -30° C~ +85° C	
	Storage Temperature: -40° C~ +90° C	
	Relative Humidity: 95% non-condensing	
	Water Resistance: 100% waterproof	

(\*PS: The specification is subject to change without prior notice)