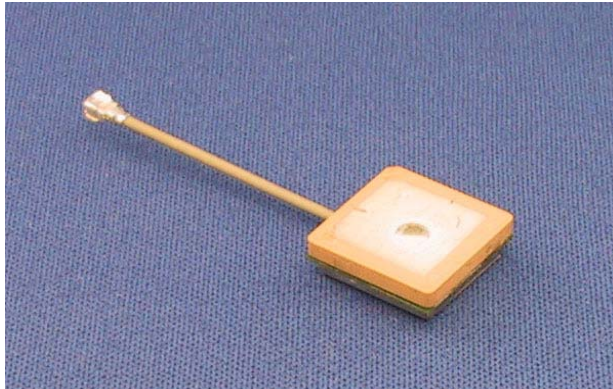


**AN-06S GPS Antenna**

**RoHS Compliant**



**General Description:**

The AN-06S is one of the smallest and lightest active GPS antennas available. It is designed for use in embedded GPS products such as AVL and security systems, PDA's, etc. The AN-06S can be mounted simply by either soldering the shield can directly to a motherboard, or with double-sided tape. This antenna is a replacement for AN-05E.

**Features Include:**

- Extremely small size
- Compatibility with many GPS receivers
- High sensitivity (+27dB LNA)
- SAW bandpass filter
- Wide operating and storage temperature

**Physical Specifications:**

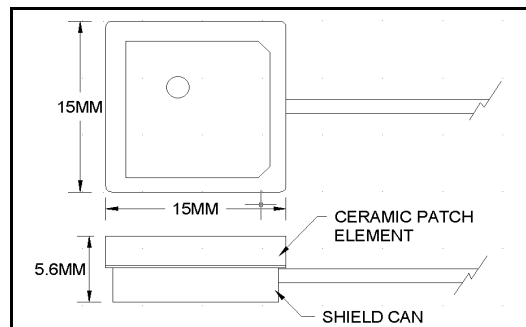
Parameter	Value
Dimensions:	15 x 15 x 5.6mm
Weight:	4 grams (less cable & connector)
Coaxial Cable:	RG-178U standard, 1.32/1.13 mm custom.

**Antenna RF Characteristics:**

Parameter	Value
Center Frequency:	1575 MHz
Bandwidth:	5 MHz
Polarization:	Right Hand Circular
Axial Ratio:	3 dB typical
Gain:	27 dB (less cable)
Bandpass Filter:	SAW
Noise Figure:	1.5 dB Typical
Output VSWR:	2.0 dB Max
Output Impedance:	50 Ω
Supply Voltage	3 - 6 VDC
Current:	7.5 mA @ 5.0V

**Environmental Specifications:**

Parameter	Value
Operating Temperature Range:	-35 C to +85° C
Storage Temperature Range:	-50° C to +95° C
Humidity:	95% RH, non-condensing



**Ordering Information:**

Part Number	Description
10102003G-1	25cm RG-178U cable, str MMCX plug
10102005G-1	36cm, 1.32 mm cable, ra MMCX plug (not attached)

*\*For custom cable lengths and connectors, contact sales representative for quotation.*

**For configuration assistance, order placement and technical support call:**

 <p><b>SYNERGY SYSTEMS, LLC</b> <i>Time proven products and support</i></p>	<p>Phone: (858) 566-0666 · Fax (858) 566-0768 Email: <a href="mailto:oemsales@synergy-gps.com">oemsales@synergy-gps.com</a></p>
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