

GPS Active Antenna

.Features:

1. Extra-high Gain and Low Noise
2. All Voltage (2.3V~5.5 V) can be available in one.
3. Extra-low current consumption in low voltage.
4. Small size and no radome type are available.
5. Variable connector and cable length are available.
6. Both magnetic mounting and screw mounting hole built-in are available.
7. Various accessories are available.

.Applications:

For antenna units used with or in Handheld system, Automobile, Recreational, Marine, etc.

.Part Number:

<u>GPS</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>XX</u>	<u>X</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Product type: GPS

(2) Radome

B: Radome # B (for T1 series)

N: Without radome

C: Customer design

(3) Voltage

A : 2.3~5.5 V

5 : 5.0±1.0V

(4) Cable Type

0: No cable type

1: RG-174

2: 1.5 DS-QEHV

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(5) Connector Type

00: No connector	99: SMA plug	98: GT5
97: BNC plug	96: SMB plug	95: MCX plug
94: MCX RA plug	93: SMC plug	92: MMCX plug
91: RP-MMCX	90: RP-MMCX RA	89: MMCX RA plug
88: SMB R/A plug		

(6) Filter

- 0 : Dielectric
- 1 : SAW

(7) Suffix for Special Requirements

.Electrical Specification:

1. Ceramic Path Specification:

	T1
Operating Frequency	1575.42±1.023 MHz
Bandwidth	10 MHz min. @S11≤-10 dB
Gain at Zenith	5.0 dBic Typ.
Gain at 10° elevation	-1 dBic Typ.
Polarization	R.H.C.P.
Axial Ratio	3.0 dB Typ.

2. LNA/Filter Specification:

	T1
Operating Frequency	1575.42±1.023 MHz
Gain	28 dB Typ.
Noise Figure	< 1.5 Typ.
Filter	DR SAW 20 dB 30dB min @ fo± 50MHz 30 dB 35dB min @ fo± 100MHz * fo=1575.42MHz
Output VSWR	2.0 Max
Voltage	DC 2.3~5.5 V
Current	2.5V : 6.6mA Typical 3V: 8.6 mA Typical 4V: 12.6mA Typical 5V: 16.6mA Typical

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.Appearance:

Antenna Unit (with radome, connector, and cable)

Height : $13.0\pm 0.5\text{mm}$; Width : $35.0\pm 0.5\text{mm}$; Length : $35.0\pm 0.5\text{mm}$

Weight: 91g with mmcx connector and 5m RG174 cable

Color: dark blue

.Operating & Storage Condition:

Temperature : $-40 \sim +90 \text{ }^\circ\text{C}$

Humidity : $10 \sim 95\% \text{ RH}$

.Antenna Dimensions:

