



ACTIVE GNSS ANTENNA

GLJCN050 1575.42 MHz 5 dBic GPS L1 Active Antenna

MODEL GLJCN050

GPS L1 internal active antenna with built-in LNA, 25 x 25 mm ceramic patch and IPEX connector.



KEY PERFORMANCE

1575.42 MHz

FREQUENCY

5 dBic

ANTENNA GAIN

28 +/- 2 dB

LNA GAIN

IPEX

CONNECTOR

TECHNICAL SPECIFICATIONS

ANTENNA	
Center frequency	1575.42 +/- 3 MHz
Band width	CF +/- 5 MHz
Polarization	RHCP
Gain (Zenith)	5 dBic
VSWR	< 1.5
Impedance	50 ohm
Axial ratio (Zenith)	3 dB
Dimension	25 x 25 x 4 mm
LNA	
Gain	28 +/- 2 dB
Noise figure	< 1.5 dB
Supply voltage	2.2-5 V DC
Current consumption	5-15 mA
VSWR	< 2.0
MECHANICAL & ENVIRONMENTAL	
Cable	RF1.13 or others
Connector	IPEX or others
Operating temperature	-40 to +85 degC
Relative humidity	Up to 75%
Vibration	10-55 Hz, 1.5 mm amplitude, 2 hours
RoHS compliance	Yes

NOTES

Source PDF has 3 pages: dimensions drawing, spec table, and XY/XZ/YZ radiation patterns. Product image is the actual ceramic patch with IPEX cable.

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NEED A CUSTOM CONFIGURATION?

Frequency, connector, cable length and mounting options can be reviewed for your project.
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