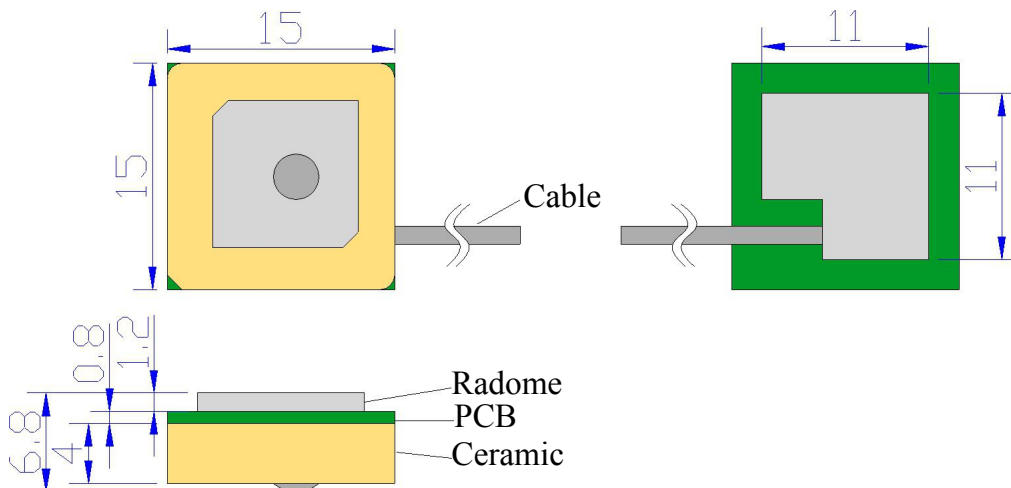


GPS Internal Active Antenna

Part Number: VTGPSIA15-1



1. Dimension (Unit: mm)



2. Electrical Characteristics

2.1 Dielectric Antenna

Form 1

No.	Item	Specifications	Post Environmental Tolerance
1	Center Frequency (MHz)	1575.42 MHz	±3 MHz
2	Band Width (MHz)	±4 MHz	±1 MHz
3	V.S.W.R (in BW)	1.5 : 1	—
4	Gain (Zenith)	0 dB	±0.5 dB
5	Polarization	RHCP	—
6	Impedance	50 Ω	—

2.2 LNA/Filter

Form 2

No.	Item	Specifications	Post Environmental Tolerance
1	LNA Gain	20±2 dB	±2.5 dB
2	Noise Figure	1.5 dB	—
3	Filter Out Band Attenuation	30dB Min f0+40MHz 30dB Min f0-40MHz 40dB Min f0+100MHz 35dB Min f0-100MHz	±1.0 dB
4	DC Voltage	3.3 V	
5	DC Current	9 mA	

2.3 Mechanical

Form 3

No.	Item	Specification
1	Cable	RF1.13 or others
2	Connector	IPEX or others
3	Mounting	Internal