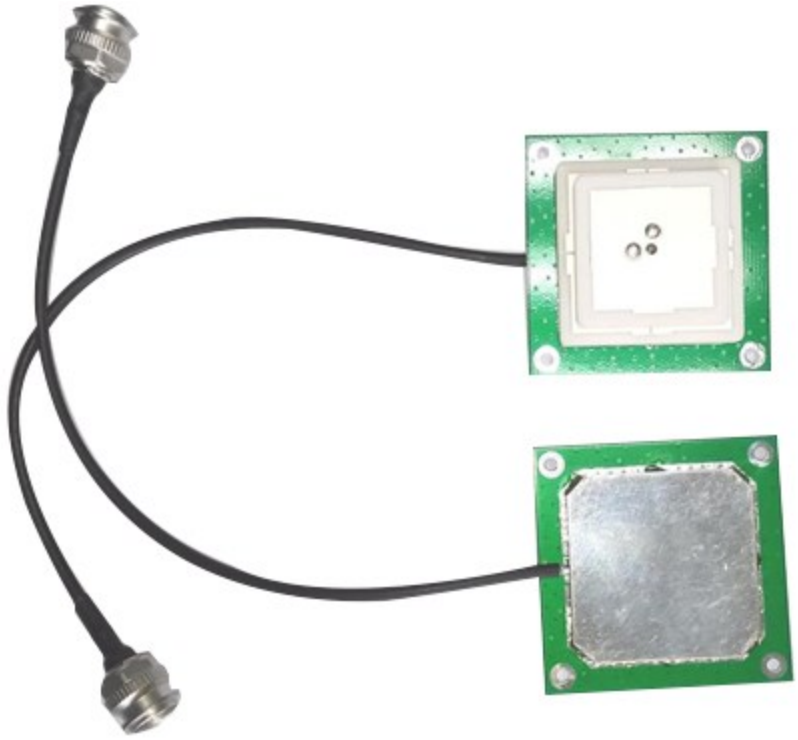
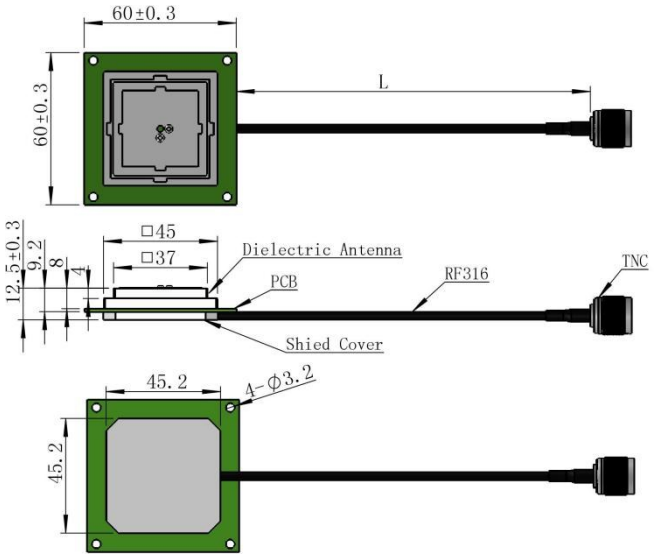
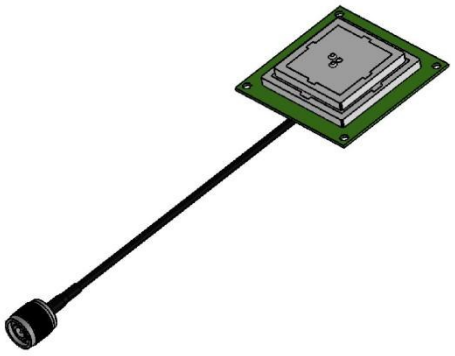
High Precision GNSS Aeria Antenna

90-ANT-7084



DIMENSIONS





SPECIFICATIONS

Item		Specifications
Antenna	Frequency Range	1260Mhz-1280Mhz 1555Mhz-1602Mhz
	Polarization	RHCP
	Axial Ratio(min)	⩽3dB at elevation 90°on 70 mm x 70 mm ground plane
	Peak Gain	⩾2dBi
	Horizontal coverage angle	360°
LNA	Gain	38±2dB
	Noise Figure	⩽1.5dB
	Gain Flatness	±1dB
	Outband Rejection	40dB@f0±100MHz
	Supply Voltage	3~5.5V DC
	Current Consumption	⩽45mA
	V.S.W.R	⩽2.0
Overall	Output Impedance	50Ω
	Output VSWR	⩽2.0
	Gain(Min.)	38dBi at elevation 90°on 70 mm x 70 mm ground plane
	Gain(Typ.)	40dBi at elevation 90°on 70 mm x 70 mm ground plane
Mechanical	Connector	TNC male
	Cable	RADOX ® 316D
	Mounting Method	Embedded
Environmental	Operating Temperature	-40℃~+85℃, 120h
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Thermal shock	-45°C (1h), +85°C (1h) 15 cycles
	Environmentally Friendly	ROHS Compliant