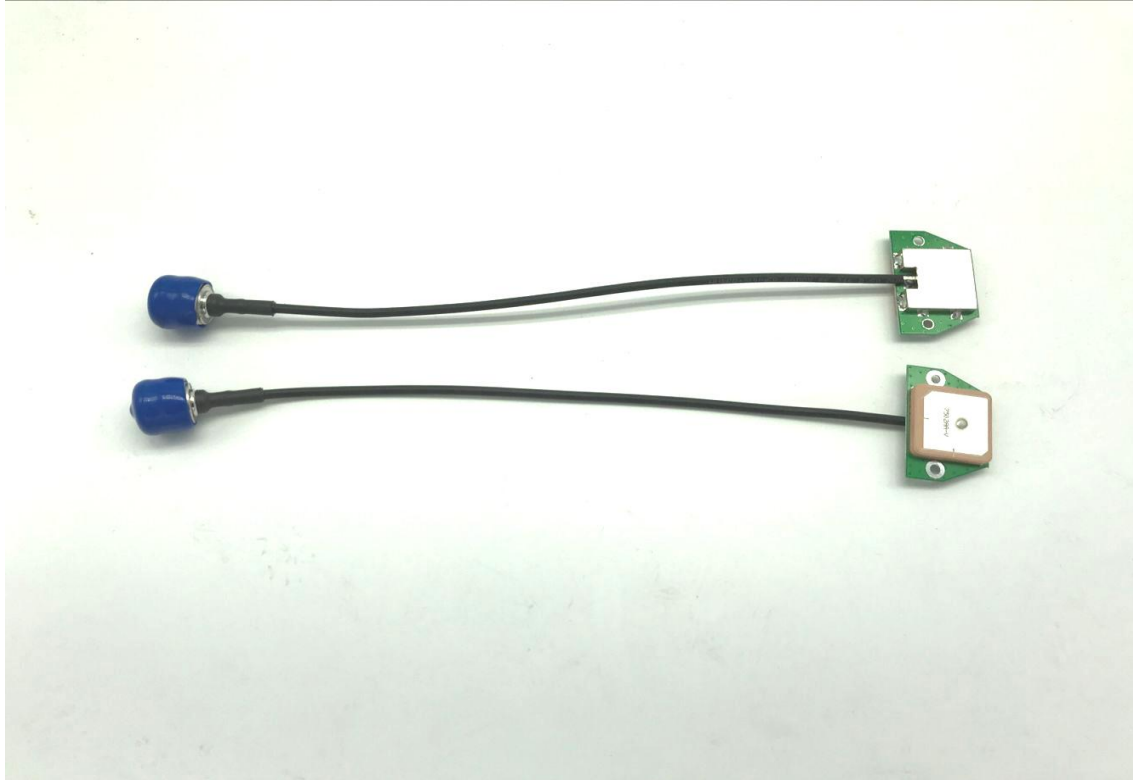
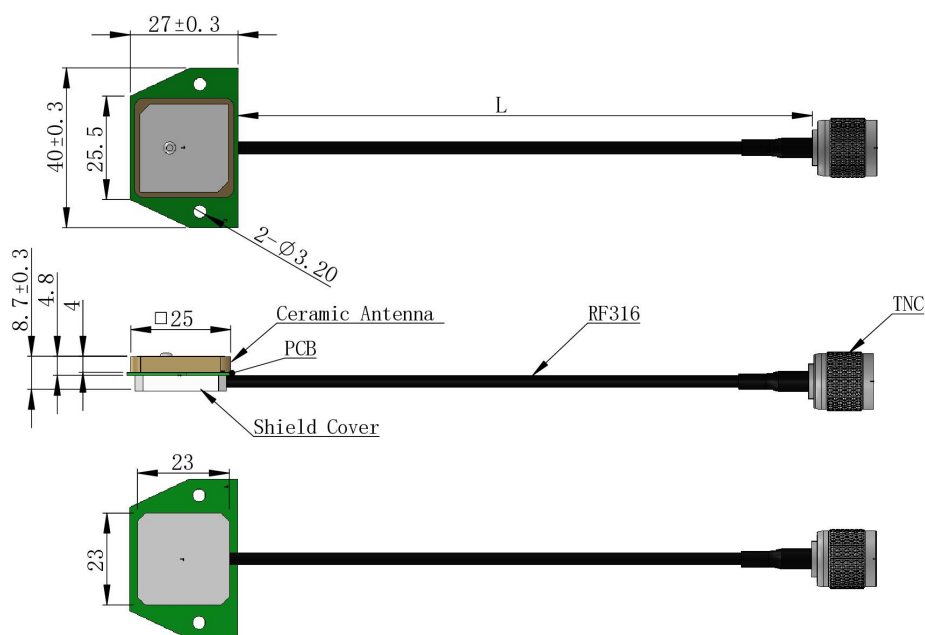


GNSS Internal Active Antenna

JCN545



DIMENSIONS



JIAXING JINCHANG ELECTRONIC TECHNOLOGY CO.,LTD

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Jinchang Electron Global Service

SPECIFICATIONS

Item		Specifications
Antenna	Frequency Range	1559~1610Mhz
	Polarization	RHCP
	Axial Ratio(min)	$\leq 5\text{dB}$ at elevation 90° on 70 mm x 70 mm ground plane
	Peak Gain	$\geq 2\text{dBi}$
	Impedance	50Ω
LNA	Gain	$28\pm 2\text{dB}$
	Noise Figure	$\leq 2\text{dB}$
	Gain Flatness	$\pm 1\text{dB}$
	Outband Rejection	30dB
	Supply Voltage	3~5.5V DC
	V.S.W.R	≤ 2.0
Overall	Output Impedance	50Ω
	Output VSWR	≤ 2.0
	Gain(Min.)	28dBi at elevation 90° on 70 mm x 70 mm ground plane
	Gain(Typ.)	30dBi at elevation 90° on 70 mm x 70 mm ground plane
Mechanical	Connector	TNC male
	Cable	RADOX ® 316D
	Mounting Method	Embedded
Environmental	Operating Temperature	$-40^\circ\text{C}\sim +85^\circ\text{C}$, 120h
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Thermal shock	-45°C (1h), $+85^\circ\text{C}$ (1h) 15 cycles
	Environmentally Friendly	ROHS Compliant

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