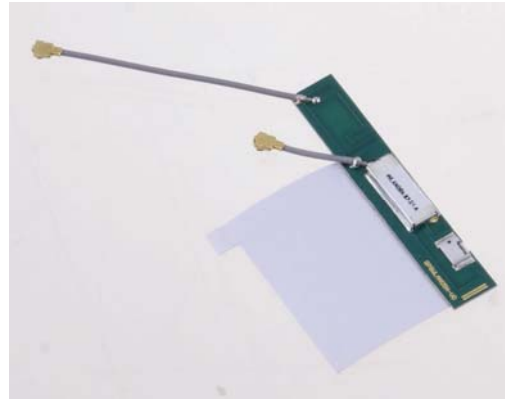


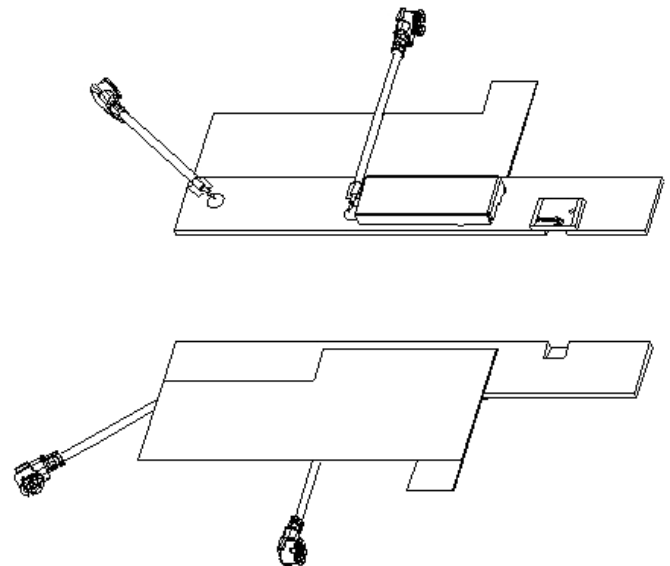
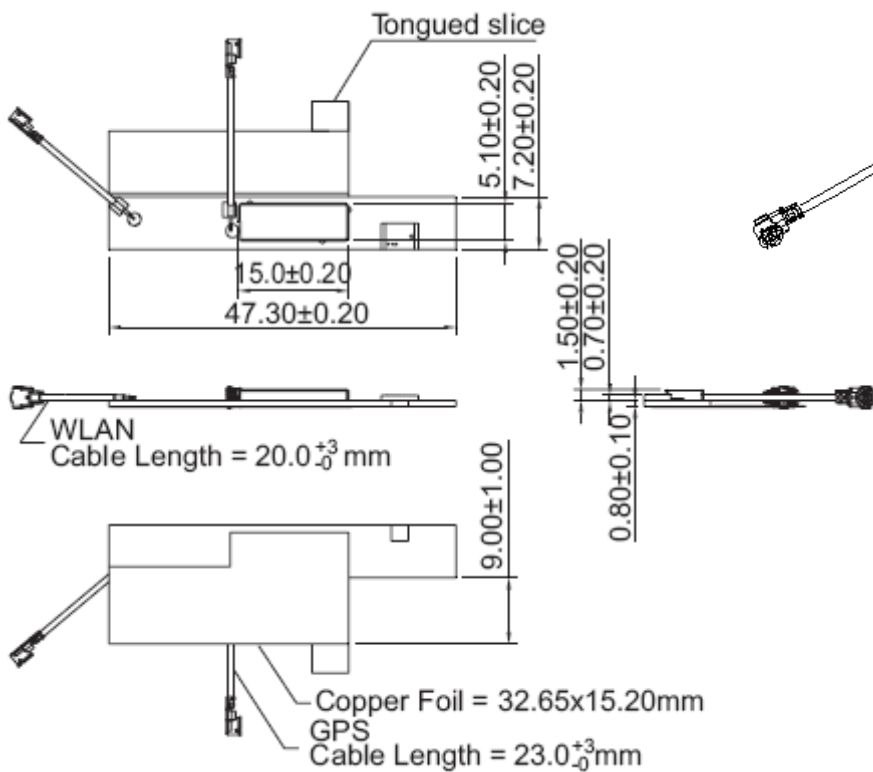
◆ Application

MID, Notebook, Netbook

RoHS



◆ Dimension (mm): 47.3 x 7.2 x 2.4



◆ Specification

Mechanism	Cable Type	mini coaxial φ 1.13 mm
	Cable Length	23/20 mm
	Connector Type	IPEX
GPS Antenna Performance		
Center Frequency (MHz)		1575.42
Polarization		Linear
V.S.W.R.		< 2.0
Peak Gain (dBi)		0.99 typ.
Efficiency (%)		35 typ.
Radiation Pattern		Omni-Direction
Isolation between the GPS chip including first stage filter and the WLAN antenna @2400~2500MHz(dB)		-20 min.
Test Condition		Measured antenna gain with cable loss.
WLAN Antenna Performance		
Center Frequency (MHz)		2450
Polarization		Linear
V.S.W.R.		≤ 3.5
Peak Gain (dBi)		>0
Azimuth Pattern		Near-Omni-Direction
Test condition		Antenna gain is including the cable and the connector.
Filter/LNA Performance		
Operation Voltage (V)		3 ± 0.3
LNA DC Current (mA)		6 ± 2
LNA Amplifier Gain (dB)		28.5 ± 3
Noise figure including filter and LNA @ambient temperature(dB)		2.0 typ.
Overall Performance		
Center Frequency (MHz)		1575.42 ± 1.023
Impedance (Ω)		50
Operation Voltage (V)		3 ± 0.3
Overall Average Gain (dBi)		23.9 typ.