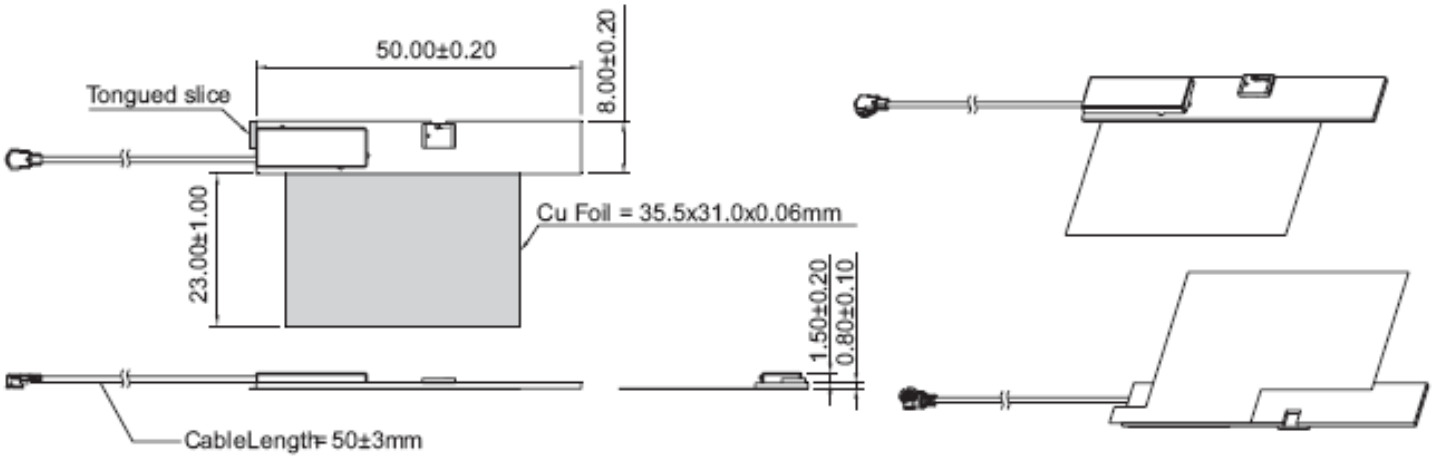
GPS Active Antenna

◆ Application

MID, Notebook, Netbook

RoHS

◆ Dimension (mm): 50.0x8.0x2.3



◆ Specification

Mechanism	**Cable Type**	mini coaxial ψ1.13 mm
	Cable Length	50 mm
	Connector Type	I-PEX MHF
Antenna Performance		
Center Frequency (MHz)		1575.42
Polarization		Linear
Radiation Pattern		Omni-Direction
Impedance (Ω)		50 typ.
Peak Gain (dBi)		-0.17 typ.
Efficiency (%)		43 typ.
Dimension (mm)		5.2 x 3.7 x 0.7
Test Condition		Antenna is measured on 50 mm x 8 mm ground plane without copper foil.
Filter/LNA Performance		
Center Frequency (MHz)		1575.42±1.023
Gain (dB)		18±3 (DC=3.0V)
Noise Figure (dB)		1.5 typ. and 2.0 max.(DC=3.0V)
V.S.W.R.		2.0 max. (DC=3.0V)
Operation Voltage (V)		3.0±0.3
Consumption Current (mA)		3.7±2 (DC=3.0±0.1V)
Overall Performance		
Center Frequency (MHz)		1575.42±1.023
Average Gain (dBi)		10.36 typ.
Impedance (Ω)		50
V.S.W.R.		2.0 typ.
Operation Voltage (V)		3.0±0.3V
Consumption Current (mA)		3.7±2 (DC=3.0±0.1V)
Test Condition		Considering about entire module including antenna, LNA, and cable loss.