

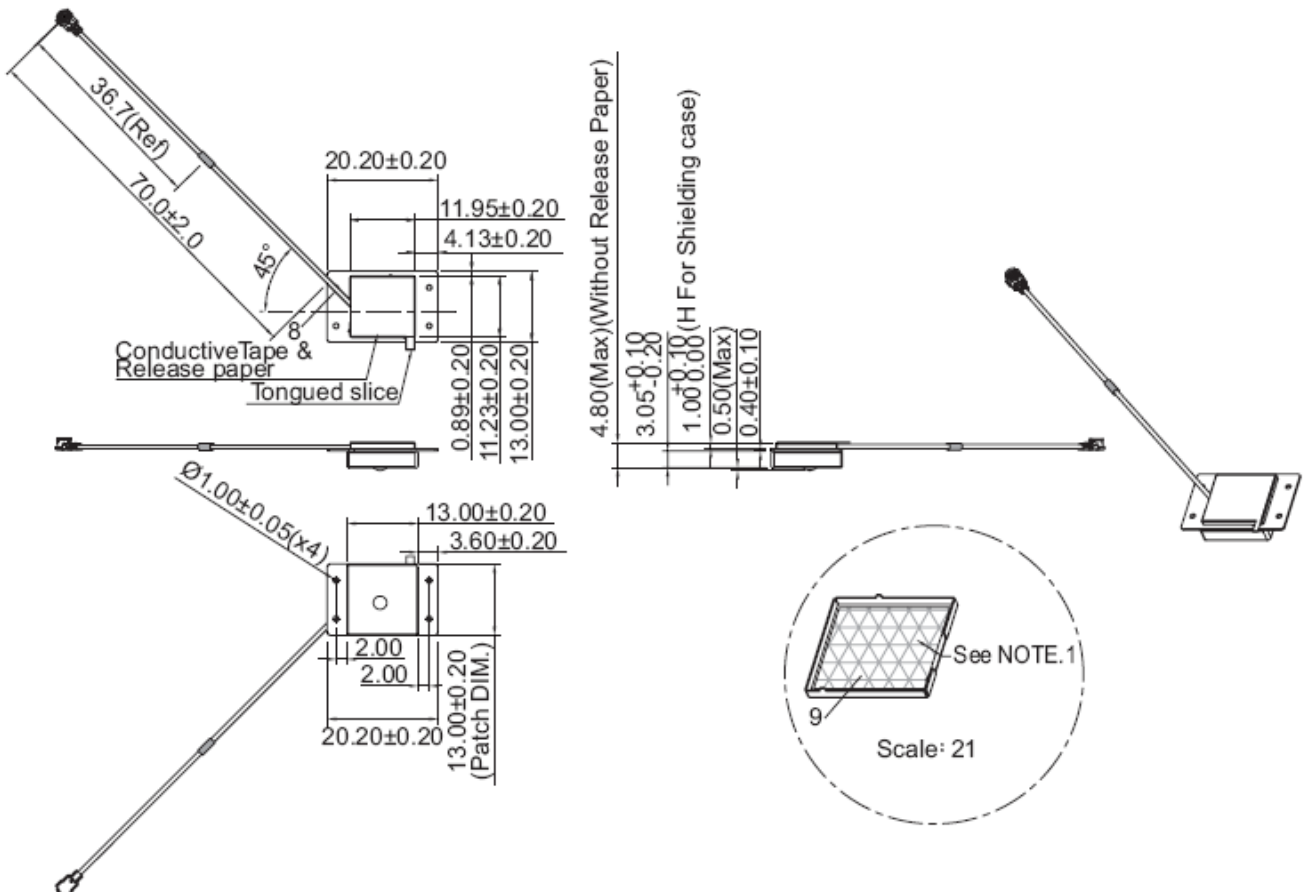
◆ Application

MID, Notebook, Netbook

RoHS



◆ Dimension (mm): 20.2x13.0x4.8



### ◆ Specification

Mechanism	Cable Type	mini coaxial $\varphi$ 0.80 mm			
	Cable Length	78.5 mm			
	Connector Type	SCMP			
Antenna Element					
Item	Specification			Unit	Remark
	Minimum	Typical	Maximum		
Center Freq. fo	1575.42			MHz	@Set condition
Polarization	R.H.C.P.			-	
Bandwidth		$\pm 2$		MHz	@V.S.W.R. 2 : 1
Impedance	50			$\Omega$	
V.S.W.R			2.5	-	@fo
Antenna Gain		-1		dBic	Elevation:90° @30x30mm GND plane
LNA Module					
Item	Specification			Unit	Remark
	Minimum	Typical	Maximum		
Operating Freq.	1570.42	1575.42	1580.42	MHz	
Gain	16	18		dB	@fo
Noise Figure		1.2	2.0	dB	@normal temp
Operating Voltage	2.7	3.0	3.3	V	
Impedance	50			$\Omega$	@fo
Gain Flatness			1.0	dB	@fo $\pm$ 1.5MHz
Overall Performance					
Item	Specification			Unit	Remark
	Minimum	Typical	Maximum		
Total Gain	16	18		dBic	Elevation:90°
V.S.W.R		1.5	2.5	-	@ fo
Consumption Current	3	4	6	mA	@2.95 Vdc
Output Conn. & Cable	SCMP( $\varphi$ 0.8mm) RF Coaxial 70mm			-	Gold Plating