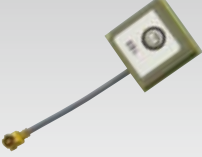





Application	PND, Notebook, Tablet, Digital TV, Mobile Phone, Handheld Device	
Product name	<b>GPS391N-S3-00-A</b>	<b>GPS398N-S3-00-A</b>
Appearance	 	 
Specification		
Antenna Performance		
Center Frequency (MHz)	1575.42±1.5 ( when covered with a radome on LNA ground plane. )	1575.42±3 ( when covered with a radome on LNA ground plane. )
Bandwidth (MHz) (10dB return loss)	16 min.	6 typ.
Gain at Zenith (dBic)	-1.5 typ.	-1.6 max.
Polarization	R.H.C.P	R.H.C.P
	Circular	Linear
Axial Ratio	7.0dB typ.	NA
Filter / LNA Performance		
Center Frequency (MHz)	1575.42±1.023	1575.42±1.024
Gain (dB)	17±3 (at 3.0±0.1V)	20±3 (at 3.0±0.1V)
Noise Figure (dB)	1.5 typ. (at 3.0±0.1V)	1.5 typ. (at 3.0±0.1V)
Output V.S.W.R	2.0 typ.	2.0 typ.
Voltage (V)	3.0±0.3	3.0±0.3
Current (DC= 3.0±0.1V) (mA)	3.5±1.5	4.0±2.0 (DC= 3.0±0.1V)
Overall Performance		
Center Frequency (MHz)	1575.42±1.023 ( when covered with a radome on LNA ground plane. )	1575.42±1.024 ( when covered with a radome on LNA ground plane. )
Gain at Zenith (dBic)	15.5 typ. (for ground 13.4x13.4mm)	19 typ. (for ground 13.4x13.5mm)
Output Impedance (Ω)	50	50
Output V.S.W.R	2.0 typ.	2.0 typ.
Operation Voltage (V)	3.0±0.3	3.0±0.3
Current (mA)	3.5±1.5 (DC= 3.0±0.1V)	4.0±2.0 (DC= 3.0±0.1V)
Dimension (mm)	13.2 x 13.2 x 6.1	32 x 8.7 x 6.3
	