

External GPS Active Antenna

Application	Automatic Vehicle
Product name	GPS316K-S3/S5-XX-A
Appearance	
Specification	
Antenna Performance	
Center Frequency (MHz)	1575.42±2.5
Bandwidth (MHz)	10.0 min.
Gain at Zenith (dBic)	4.0 typ.
Polarization	R.H.C.P.
Impedance (Ω)	50 typ.
Axial Ratio (dB)	4 max.
LNA Performance	
Center Frequency (MHz)	1575.42±1.023
Gain (dB)	28±4(3V) / 31±4(5V)
Noise Figure (dB)	2.0 typ.
Operation Voltage (V)	3.3±0.1 / 5.0±0.1
Consumption Current (mA)	14±3(3V) / 30±3(5V)
Filter Out Band Attenuation	20dB typ. fo±20MHz 30dB typ. fo±30MHz 30dB typ. fo±50MHz 40dB typ. fo±100MHz (fo=1575.42MHz)
V.S.W.R	2.0 max.
Overall Performance	
Center Frequency (MHz)	1575.42±1.023
Gain (dBic)	32±6(3V) / 35±6(5V)
Operation Voltage (V)	3.3±0.1 / 5.0±0.1
Consumption Current (mA)	14±3(3V) / 30±3(5V)
Impedance (Ω)	50 typ.
V.S.W.R	2.0 max.
Dimension (mm)	37.4 x 34 x 12.95
	