

External GPS Active Antenna

Application	Automatic Vehicle	
Product name	GPS03B-D3/D5-XX-A	GPS10D-D3/D5-XX-A
Appearance	 RoHS	 RoHS
Specification		
Antenna Performance		
Center Frequency (MHz)	1575.42±1.023	1575.42±1.023
Bandwidth (MHz)	10.0 min.	10.0 min.
Gain at Zenith (dBic)	5.0 typ.	5.0 typ.
Polarization	R.H.C.P.	R.H.C.P.
Impedance (Ω)	50 typ.	50 typ.
Axial Ratio (dB)	3 typ.	3 typ.
LNA Performance		
Center Frequency (MHz)	1575.42±1.023	1575.42±1.023
Gain (dB)	27 typ.	27±3
Noise Figure (dB)	1.5 typ.	1.5 typ.
Operation Voltage (V)	3.3±0.1 / 5.0±0.1	3.3±0.1 / 5.0±0.1
Consumption Current (mA)	9 typ. 12 max.	12±3
Filter Out Band Attenuation	7dB typ. fo±20MHz 20dB typ. fo±50MHz 30dB typ. fo±100MHz (fo=1575.42MHz)	
V.S.W.R	2.0 max.	
Overall Performance		
Center Frequency (MHz)	1575.42±1.023	1575.42±1.023
Gain (dBic)	32.0 typ.	32.0 typ.
Operation Voltage (V)	3.3±0.1 / 5.0±0.1	3.3±0.1 / 5.0±0.1
Consumption Current (mA)	9 typ. 12 max.	12±3
Impedance (Ω)	50 typ.	50 typ.
V.S.W.R	2.0 max.	2.0 max.
Dimension (mm)	45 x 45 x 14.5	37.5 x 34.5 x 12.5
		