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PRODUCT SPECIFICATION

Waterproof GPS Active Antenna Specifications

10D Antenna with 3M RG174+SMA Straight Plug

Product No. AP001WSGPS005

Rev. B



RF Connector, RF Cable & Antenna Manufacturer

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Mechanical

Cable Type	RG174
Cable Length	3M, 5M
Mounting Method	Magnet
Connector Type	SMA, SMB, MCX, ...etc
Color	Black

Electrical

Center Frequency(MHz)	1575.42±1.023 MHz(when covered with a radome and measured on LNA ground plane)	
Bandwidth (10dB return loss)MHz	10 MHz min	
Gain at Zenith (dBic)	1 dBic typ	
Gain at 10° elevation	-5 dBic typ	
Polarization	R.H.C.P	
Impedance (ohm)	50 ohm	
Axial Ratio	1.0 dB typ	

LNA Performance

Center Frequency	1575.42±1.023 MHz	
Gain	30~37 dB (ps:3v/32dB)	
Noise Figure	1.4 dB typ (ps:3v/1.35dB)	
Filter Out Band Attenuation	Saw filter	
	40dB typ	fo±50MHz
	45dB min	fo±100MHz (fo=1575.42MHz)
Output VSWR	2.0 max	
Voltage	DC=2.5~5.5V	
Current	DC=8~23mA(ps:3v/10mA)	

