

Model: ZDAGPS1503GSM801902

1575.42MHz±3MHz GPS Antenna

Product Profile

☑ Dielectric antennas

Center Frequency	1575.42MHz±3 MHz
V.S.W.R	1.5:1
Band Width	±5 MHz
Impedance	50 ohm
Peak Gain	„3dBic Based on 7×7cm ground plane
Gain Coverage	„-4dBic at -90° f0 f+90°(over 75% Volume)
Polarization	RHCP

☑ GSM antennas

Center Frequency	824MHz~960MHz G 1710MHz~1990MHz
V.S.W.R	2.0:1
Impedance	50 ohm
Typical Gain	2dBi±1dB at 900MHz 1dBi±1dB at 1800MHz

☑ LNA/Filter

LNA Gain(Without cable)	28dB Typical
Noise Figure	1.5dB
Filter Out Band Attenuation (f0=1575.42 MHz)	7dB Min f0±20MHz 20dB Min f0±50MHz 30dB Min f0±100MHz
V.S.W.R	f2.0
DC Voltage	2.7V/3.0V/3.3V/5.0V/3.0 @to 5.0V or other
DC @current	5mA C 10mA Max

☑ Mechanical

Weight	f130gram
Size	72×60×13mm
Cable	RG174 3 meters or other
Connector	SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX
Mounting	Sticking
Housing	Black



☐ Environmental

Working Temp	-40jæ~+85jæ
Vibration Sine sweep	1g(0-p)10~50~10Hz each axis
Humidity	Humidity95%~100%RH
Weatherproof	100%Waterproof

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Band Width @ @ @ @ @ @ @ ±5 MHz
Impedance @ @ @ @ @ @ 50 ohm
Peak Gain @ @ @ @ @ @ @ @ 3dBic Based on 7×7cm ground plane
Gain Coverage @ @ @ @ @ @ @ @ -4dBic at -90° f0 f+90°(over 75% Volume)
Polarization @ @ @ @ @ @ @ RHCP

LNA/Filter

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Noise Figure @ @ @ @ @ @ @ 1.5dB
Filter Out Band Attenuation (f0=1575.42 MHz)
@ @ @ @ @ @ @ @ @ @ @ 7dB Min f0±20MHz
@ @ @ @ @ @ @ @ @ @ @ @ @ 20dB Min
f0±50MHz
@ @ @ @ @ @ @ @ @ @ @ @ @ 30dB Min
f0±100MHz
V.S.W.R @ @ @ @ @ @ @ @ @ f2.0
DC Voltage @ @ @ @ @ @ @ 3V , 5V, 3V to 5V
DC current @ @ @ @ @ @ @ @ 5mA C10mA Max



Mechanical

Weight @ @ @ @ @ @ @ 110gram
Size @ @ @ @ @ @ @ D64×35mm
Cable @ @ @ @ @ @ @ RG174 5 meters or 3 meters
Connector @ @ @ @ @ @ @ SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX
Mounting @ @ @ @ @ @ @ Magnetic/sticking
Housing @ @ @ @ @ @ @ Black

Environmental

Working Temp @ @ @ @ @ @ @ -40jæ~+85jæ
Vibration Sine sweep @ @ @ 1g(0-p)10~50~10Hz each axis

Humidity @ @ @ @ @ @ @ @

Humidity95%~100%RH

Weatherproof @ @ @ @ @ @100%Waterproof