

StreamLine GPS Active Antenna Specification

Order number: 4971



(i) Dielectric Antenna

Center Frequency	1575.42MHz \pm 3 MHz
V.S.W.R	1.5:1
Band Width	\pm 5 MHz
Impedence	50 ohm
Peak Gain	> 3dBic Based on 7 \times 7cm ground plane
Gain Coverage	> -4dBic at $-90^{\circ} < 0 < +90^{\circ}$ (over 75% Volume)
Polarization	RHCP

(ii) LNA/Filter

LNA Gain (Without cable)	28dB Typical
Noise Figure	1.5dB
Filter Out Band Attenuation (f0=1575.42 MHZ)	
	7dB Min f0 \pm 20MHZ ;
	20dB Min f0 \pm 50MHZ;
	30dB Min f0 \pm 100MHZ

V.S.W.R	< 2.0
DC Voltage	3.0V to 5.0V
DC Current	10mA Max

(iii) Mechanical

Weight	< 120gram
Size	48x39x14.1mm
Cable	RG174 3meters
Connector	SMA
Mounting	Magnetic base
Housing	Black

(iv) Environmental

Working Temp	-40°C~+85°C
Storage Temp.	-45°C~+100°C
Vibration	Sine sweep 1g(0-p)10~50~10Hz each axis
Humidity	Humidity95%~100%RH
Weatherproof	100% Waterproof