



Stars Navigation Technologies Ltd
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Active3TS GPS Antenna Specifications(Trimble compatible)

General		2 Stages active LNA
		Dual Filters, (BPF(dielectric) & LPF(lump element)
		RF protection(10watt) ,nano-second Spark-Gap
	Architecture Design	Dielectric Patch antenna
		Low Noise Low drop-out, Linear Regulator
Performance	Receiving Frequency	L1 Band(1575.42MHz)
	Output Impedance	50 ohms
	Polarization's	Right Hand Circular (RHC)
	Bandwidth	10dB MHz @ -3dB point
	VSWR	1.5 Typical @ 1575MHz
	Elev. Angle Coverage	5~90 degree
	Az. Bearing Coverage	360 degree
	Filterin	Dual (BPF <10 MHz B/W, LPF @1576 MHz Stop-band @ 1585MHz)
	Over-all Gain	28dB (typical including 4dB cable loss & Filters)
	Over-all NF	<1.8dB @fo, 2dB max.
	LNA Characteristic	K=>1 Un-conditionally Stable
Electrical	Power Input	+3Vdc
	Power Consumption	25 ± 2mA
	Power Input	Reverse Polarity Short Circuit shutdown
	Over-Current	Thermal Over-current shutdown >+150degreeC
Physical	Dimensions	21 x 21 x 7mm +/-0.5mm
	Coax Connector/Cable	Hirose H.F.L
Environmental	Operating emperature	-30 to + 85 degreeC
	Storage	-40 to + 90 degreeC