MA-25 Marine GPS Antenna

Features

- 10W RF protection
- Standard WAAS tune
- Short-circuit protection
- Wide range power input voltage from +3v ~ 6v
- Narrow band width at 10MHz for real GPS L1 signal
- Cable length up to 40m
- 2 stages active LNA
- Dual Filters BPF(directric)& LPF(lump element)
- Dielectric patch antenna
- Low noise, linear regulator
- High current shut down
- Radio frequency interference immunity (RFI)
- Improve overall GPS system resistance to interference
- RoHS compiant

Specifications

Technical Specifications	
Architecture	
2 Stage active LNA	
Dual Filters, (BPF(dielectric) & LPF(lump element))	
RF protection (10watt), nano-second Spark-Gap	
Dielectric Patch antenna	
Low Noise Low drop-out, Linear Regulator	
Performance	
Receiving Frequency	L1 Band(1575MHz)
Output Impedance	50 ohms
Polarization	Right Hand Circular (RHC)
Bandwidth	< 50 MHz
VSWR	1.8 Typical @ 1575MHz
Elev. Angle Coverage	5~90 degree
Az. Bearing Coverage	360 degree
Filtering	Dual(BPF <50 MHz B/W >
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
RF Insertions loss	0.1dB, leakage power 100mW /1 watt input
Electrical	
Power Input	+3Vdc to +6Vdc input, Auto Switch
Power Consumption	25mA
Power Input Sensor	Reverse Polarity Short Circuit shutdown
Over-Current Sensor	Thermal Over-current shutdown >+150degreeC

Physical	
Dimensions	79d x 58h x 13 mm (CHECK THIS!!)
Mount	13 mm treaded (1/2inch)
Radome Color	White
Coax Connector	BNC,SMA,TNC or on request
Coax Cable	RG-58, RG-174, RG-316
Environmental	
Operating Temperature	-30 to + 85° C
Storage	-40 to + 90° C

Ordering Information