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# MARINE [ GPS ANTENNA ] AGGRESSOR-21



## Specifications

### ELECTRICAL

Center Frequency	1575.42 MHz ± 2 MHz
Bandwidth	10 MHz
VSWR	1.2 typical (1.5 max)
Axial Ratio @Zenith	3.0 dB typical
Gain @10° Elevation	-1.0 dBi typical
Polarization	RHCP (Right Handed Circular Polarization)

### LNA (LOW NOISE AMPLIFIER)

Frequency	1575.42 MHz
Gain	28 dB typical @ 3.3V
VSWR	1.92 max
Noise Figure	1.5 dB typical
Out-Band Attenuation	20 dB min @ f <sub>c</sub> ± 50 MHz
DC Power Input	3-5 V
Power Consumption	4.8mA @ 2.7V / 6mA @ 3.3V / 10.43mA @ 5V

### OVERALL PERFORMANCE (GPS ANTENNA, LNA and COAXIAL CABLE)

Frequency	1575.42 MHz
Gain	30 dB typical
Noise Figure	1.5 dB typical
Axial Ratio @Zenith	3 dB typical
VSWR	1.2 typical (1.5 max)
Output Impedance	50Ω

### ENVIRONMENTAL

Operating Temperature	-30°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Humidity	95% RH at 40°C, non-condensing
Rain and Spray	Compliant with IEC 60945
Vibration	Compliant with IEC 60945
Corrosion (Salt Mist)	Compliant with IEC 60945

### PHYSICAL

Construction	Hermetically sealed, fully waterproof
Dimension	90.5 mm(D) x 108.5 mm(H)
Mounting	92 mm(L) x 60 mm(W)
Weight	105 g (w/o cable and mount)
Connector	TNC Male
Cable Type	RG-58
Cable Length	10M

