

## SA- 200 Active Antenna

- ❑ SA- 200 GPS Antenna is designed for the Marina mast or tall buildings that require long extra cabel (up to 50 meters) without signal constraint to the GPS receiver
- ❑ The SA-200 is the integration of the high performance GPS patch antenna and a state-of-the-art low noise amplifier into an extremely compact/fully waterproof enclosure
- ❑ When connected to a GPS receiver with +5 V DC antenna power it provides excellent antenna signals and out-band filtering with rejection for this receiver
- ❑ Polycarbonate random enclosure (top & bottom base with rubber O-ring in between)



# Datasheet SA-200 Active Antenna

## ***Mechanical Data:***

Ø in inch x H	4,5" x 2.9"
Weight	220gram (without cabel)
Standard Mounting	External Flagpole mount
Optional Mounting	1) cabin roof-mount with stainless steel base & shaft 2) Rail side mount with stainless rod

## ***Environmental Conditions:***

Operating Temp.	-40 °C ~ + 85 °C
Storage Temp.	-30 °C ~ + 85 °C
Relative Humidity	95% non-condensing
Waterproof	100% waterproof

## ***Antenna element:***

Center Frequency	1575.42 +/- 1.023 MHz
Polarization	R.H.C.P
Absolute Gainat Zentith	+5dBi typically
Gain at 10° Elevation	-1 dBi typically
Axial ratio	3 dB max.
Output VSWR	1.5:1 max
Output Impedance	50 Ω

## ***Low noise Amplifier:***

Center Frequency	1575.42 +/- 1.023 MHz
Gain	28 dB typical
Noise Figure	1.5 max
Band With	2 MHz min.
Supply Voltage	4.0 ~ 6.0 V DC
Current Consumption	28 mA +/- 3 mA
VSWR	2.0 max.
Output Impedance	50 Ω

## ***Cable & Connector:***

Connector on antenna	TNC jack and othe types optional
RF Cable	10m RG58 A/U with TNC plug on one end and BN on the other
Optional Cable	15~50 m are available upon request. Cable connectors are hermetically molded plastics for waterproof and stain relief
Pulling Strength	12kg for 5 sec.

## ***Overall Performance:***

Center Frequenz	1575.42 MHz
Gain	27 dB
Noise Figure	2.0 dB max.
Band With	2 MHz
Axial Ratio	3dB max.
VSWR	1.5 max.
Output Impedance	50 Ω

## ***Ordering Information:***

SA-200

## ***Contact us:***

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