

# MODEL: HCS-100

## 26-31 MHz HIGH GAIN 3-SEC. COMMERCIAL/HAM/ CB TRI-BAND FIBERGLASS OMNI-DIRECTIONAL BASE STATION ANTENNA

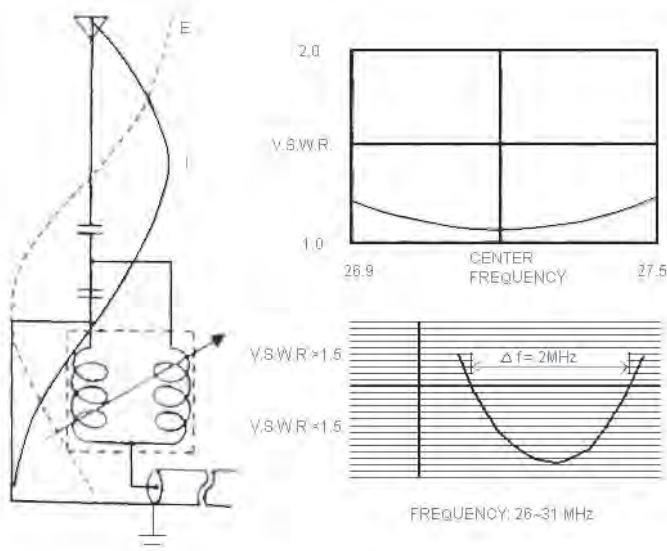


### FEATURES

- \* Durable fiberglass rods offer:
  - Water and weather proof, a must in saltwater areas
  - Durable construction withstands 90MPH(40M/SEC.) wind speed
  - Significantly reduced precipitate static and lower background noise
  - Excellent insulation, less interference from rain, sleet and snow
- \* Insulation voltage: 14,500 Volts Max.
- \* 3-section 5.72-meter(18.8FT) overall length, for easy installation
- \* Mast diameter accepted: 30~62φmm (1-3/16"~ 2-7/16")
- \* No ground plane design
- \* Retractable adjusting of the whip length for working between 26-31MHz (Without cutting the whip)
- \* Easy fine tuning with 2 built-in tuning rings
- \* Built-in SUPER DURABLE ALUMINUM EXTRUSION MOUNTING BRACKET

### Electrical Specifications

- \* Gain .....DC Ground 5.75 dB
- \* VSWR .....Less than 1.15 for CB Band  
.....Less than 1.5 throughout the  
.....entire bandwidth(after tuned)
- \* Frequency .....26~31 MHz
- \* Polarization .....Vertical
- \* Impedance ..... 50 Ohm
- \* Power Capacity .....2000 Watts
- \* Configuration .....Half Wave Over a Quarter Wave,  
.....Mutual Variable Transductance Tuning
- \* Connector .....SO-239 UHF JACK



### GPS-1101 GPS ACTIVE ANTENNA

#### SPECIFICATIONS

##### ♦Antenna

Frequency	1575.42 MHz ( L1 BAND )
VSWR	1.5 Typical @ 1575MHz
Band Width	10 dB MHz @ -3 dB POINT
Filtering	BPF<10 MHz B/W @ -3 dB
Impedance	50 Ohm
Elev. Angle Coverage	5 ~ 90 DEGREE
Az. Bearing Coverage	360 DEGREE
Polarization	RHCP

##### ♦Amplifier Module

Amplifier Gain	28 dB(Includes 4dB cable loss & Filters)
Noise Figure	<1.8 dB @fo, 2dB Max.
Power Input	2.75~12VDC, AUTO SWITCHING
Power Consumption	11mA TO 13mA (MAX.)
Power Input Sensor	Reverse Polarity Short Circuit Shutdown
Over-Current Sensor	Thermal Over-Current Shutdown> 150 °C

##### ♦Mechanical

Dimension	44 x 34 x 12 mm ± 0.5 mm
Connector	BNC, SMA, SMB, MCX, MMCX, GT-5, HIROSE, ETC.
Mounting	MAGNETIC
Housing	BLACK(PC+Radome Plastic)

##### ♦Environmental

Working Temperature	-30°C ~ +85°C
Storage Temperature	-40°C ~ +90°C