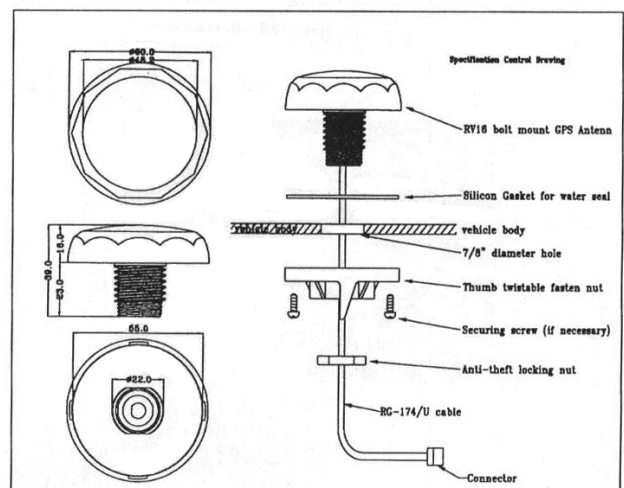


RV- 16 Active Antenna

- ❑ The RV-16 is the integration of a high performance GS patch antenna with a state of the art low noise amplifier
- ❑ Extremely compact and in a fully waterproof enclosure
- ❑ Through the characteristics like the flat design and rugged enclosure the RV-16 is one of the most used GPS Antenna in the Car- and Marina navigation market
- ❑ When connected to a GPS receiver the RV-16 Antenna delivers GPS Signals through the amplifier
- ❑ Different Connectors as well as cable length are upon request available
- ❑ Easy installation through Bulkhead mount with big threaded nut



Technical Drawing :



Datasheet RV-16 Active Antenna

Mechanical Data:

Ø in mm (DxH)	60x38
Weight	65gram (without cabel)
Cabel	5m
Mounting	Bulkhead mount with big threaded nut
Housing color	black (other colors upon request)

Environmental Conditions:

Operating Temp.	-30°C ~ + 85°C
Storage Temp.	-40°C ~ + 90°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 max
Output Impedance	50 Ω

Low noise Amplifier:

Center Frequency	1575.42 MHz
Gain	31 dB typical
Band With	2 MHz min.
Supply Voltage	4.5 ~ 5.5 V DC
Current Consumption	28 mA +/- 3 mA
VSWR	2.0 max.
Output Impedance	50 Ω

Cable & Connector:

RF Cable	5m RG174/U (standard, other length available)
Pulling Strength	6kg/5sec sec with moded plastic on connector end for strain relief

Connector available BNC, TNC, FME (to be adapted) GT5, MCX (OSX), SMA, SMB or SMC in straight or right angle type.

Optional Adapters FME~MCX, FME~BNC, FME~SMA, FME~SMB, FME~TNC

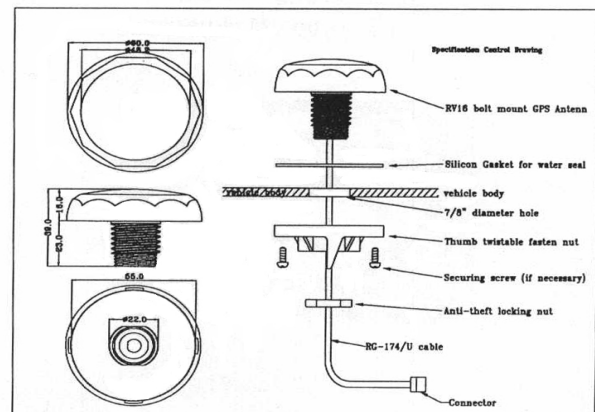
Overall Performance:

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

Ordering Information:

RV-16 (+ cable length + connector)

Technical Drawing:



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