



# Datasheet SM-66 Antenna

## **Mechanical Data:**

Size in mm (LxWxH)	58x48x15
Weight	63gram without cable
Cabel	5m RG174/U Standard, other length on request
Pulling Strength	6kg for 5 sec. With molded plastics on connector end for strain relief
Connector available	BNC, TNC, FME, MMCX, MCX, SMA, SMB or SMC in straight or right angle type
Optional	Universal Connector Adapter (FME to TNC, BNC, SMA, SMB, MCX)
Mounting	magnetic & screw mount

## **Environmental Conditions:**

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

## **Antenna Element:**

Polarization	R.H.C.P:
Absolute Gain	+ 5dBi typical
Gain @ 10° Elevation	-1 dBi typical
Axel Ratio	3 dB max

## **Low Noise Amplifier:**

Power Gain	31 dB typical
Bandwidth	2 MHz min
Noise Figure	1.5 max
Supply Voltages	+4.5 ~+5.5 V DC
Current Consumption	12mA+/-1mAat 3.~5 VDC

## **Overall Performance:**

(Antenna element, LNA & Coax cable)	
Center Frequency	1575.42

Gain	27 dB min
Noise Figure	2.0 max
Axel Ratio	3 dB max.
VSWR	2.0 max
Output Impedance	50Ω

## **Contact us:**

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