

# GPS Miniature, Economical Active Antennas



## FEATURES

- Economical & Strong
- Superior waterproofing

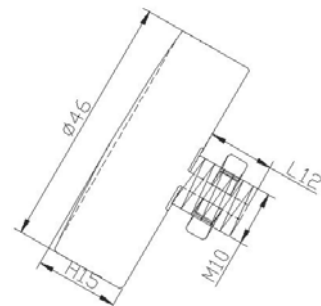
This range of GPS antenna has been designed as a versatile low cost active antenna solution. The antenna is active 3, 5 or 3-5 Volt ceramic patch encapsulated in a UV stable radome, cable is molded to the package for strength and waterproofing characteristics providing this antenna with the capability of water immersion to 1 metre depth for 12 hours while maintain 100% waterproofing.

## Antenna Specifications

Frequency	1575.42 +/- 1 MHz
Bandwidth	CF 5 MHz
Bore sight Gain	5.0 dBi Min
Antenna VSWR	< 1.5:1
Polarization	RHCP
Axial Ratio	3dB Max
Elevation	Hemispherical
Temperature range	-40 to +85 Deg C
Mounting	Screw Centre
Weight	< 110 grams
Colour/Material	Black, ABS
Cable	RG174 1 to 5 mtrs
Connector selection	SMA, SMC, SMB, MCX + more
Waterproof	1mtr Water depth 12 Hours
Antenna Dimensions	46 w x 15 h + screw mounting

## Low Noise Amplifier (LNA) / Filter Specifications

Amplifier Gain	28dB +/- 2dB
Noise Figure	< 1.5
Filter Insertion Loss	< 3dB
VSWR	2.0:1 Max
1dB Comp Pt	0dB
O/P 3 <sup>rd</sup> Order	+10dbm
Reverse Isolation	> +50dB
Impedance	50 Ohm
Supply Voltage	3-5 VDC @ 8-15mA
Out of band	
Attenuation	14dB min CF+50 MHz 18dB min CF-50 MHz 30dB min CF+100 MHz 41dB min CF-100 MHz



## ORDER CODE:

GPS	A	72	5X	P	3	
						3 Cable Length in metres, specify connector style
				P		Plug Connection
				S		Socket Connection
			5X			Centre, screw mounting system
		72				Round package identification
	A					Active 2.2 Vots to 5 Volts

