

GPS / GLONASS ANTENNA

GPS3 Series

GPS (1575.42MHz) & GLONASS (1592-1610MHz)



The GPS3 range of antennas featuring a unique low noise amplifier circuitry designed specifically for operation on RHCP GPS and GLONASS signals. Available in 3 versions:

- Standard
- Standard with mounting bracket
- Mini
- Mini Hockey Puck

Features:

- Can be mounted in various location via integrated magnetic, adhesive pad (GPS3-xx-xx & GPS-MINI-xx-xx) or stud mount (GPS3-MHP-xx-xx)
- GPS3-xx-xx also available with mounting bracket
- Unique LNA operation providing good gain and excellent carrier noise
- Weather proof



Electrical

Model Number	GPS3-xx-xx	GPS3-MINI-xx-xx	GPS3-MHP-xx-xx
Polarisation	RHCP		
Frequency MHz	1575.42 (GPS) & 1592-1610 (GLONASS)		
Nominal Gain dB	26 at 3V, 28 at 5V	26 at 3V, 27 at 5V	32 at 5V
VSWR	<1.2:1		
Impedance Ohm	50		
Voltage supply V	2.7 – 5.5		1.8 - 5
Current mA	15 - 25		5 - 25
Power (max.) mV	138		

Mechanical

Model Number	GPS3-xx-xx	GPS3-MINI-xx-xx	GPS3-MHP-xx-xx
Construction	Black ABS		
Dimensions (H x L x W) mm	14 x 41 x 34	14 x 28 x 21	16 x 50 [†]
Cable Type / Length	RG174 / Contract RFI to advise		
Termination	Contract RFI to advise		
Mounting	Magnetic/Self Adhesive or with mount bracket	Magnetic/Self Adhesive	M10 Stud & Nut
Operating Temperature °C	-40 to +85		
Ingress Protection Rating	IP67		IP65