

ADA-28

COMPACT GPS/GLONASS/GALILEO ANTENNA

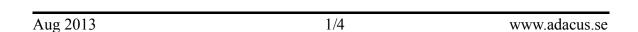
- ESD Circuit Protection
- 27dB Gain
- 2.5 5.5 V
- Low Noise Figure
- Magnetic/Screw mount



ADA-28 is a State-of-the-Art Low Noise Amplifier, High Gain, small size sensitive GPS/ GLONASS/GALILEO antenna.

With coverage almost to the horizon, it performs excellently in foliage or urban canyon environment even in presence of electromagnetic interference!

Features a diminutive & rugged construction with polycarbonate radome top over a die-cast shell with double magnets all sealed with a rubber gasket makes it ideal for applications like AVL, Vehicle Navigation, Avionics and Military.



Specification

Category	Patch Antenna Element	
Frequency	1575.42 MHz ±10 MHz & 1602 MHz ±8 MHz	
Polarization	R.H.C.P.	
Gain & Zenith	1.5 dBic typical mounted on 70 x70 mm ground plane	
Axial Ratio	3 dB max. mounted on a 70 x 70 mm ground plane	

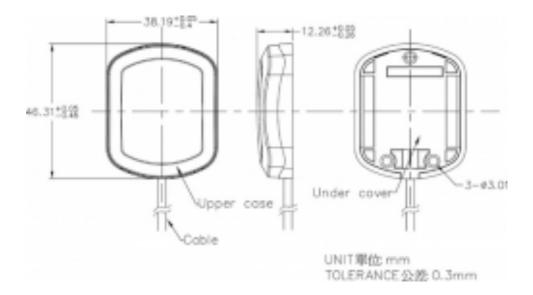
Category	Low Noise Amplifier	
Power Gain	27dB @ 3V	
Bandwidth	43 MHz min. @S11<-10 dB	
Noise figure	1.5 typ.	
Supply Voltage	2.5 – 5.5 VDC	
Current consumption	10,6 mA @ 3 Volt, 21 mA @ 5 Volt,	
V.S.W.R.	2.0 max	
Output Impedance	50 Ω	

Category	Cable and Connector	
RF Cable	Standard 5 m RG174/U (other cable length available)	
Connector	Any standard RF connector	
Pulling strength	6 Kgs/5sec with molded connector	

Category	Overall Perform	
Center Frequency	1575.42 MHz ±10 MHz & 1602 MHz ±8 MHz	
Gain	27 dB typ. (mounted on a 70 x 70 mm ground plane)	
Output Impedance	50 Ohm	
Output VSWR	2.0 max.	

Category	Environmental Condition	
Operating temperature	-40 — +85 ° C	
Storage temperature	-40 — +100 ° C	
Relative humidity	95% non-condensing	
Water resistance	100 % water proof	

Category	Physical construction	
Material	Polycarbonate radome at top, Die-cast shell at bottom	
Dimension	46mm (L) x 38mm (W) x 12.5mm (H)	
Weight	50 g without cable and connector	
Color Radome	Black	
Standard mounting	Magnet mount with two magnets & screw mount	



Ordering codes

TYPE	Description	Comment
ADA-28	GPS/GLONASS/GALILEO Antenna	Magnetic & Screw

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