

# **Multi Frequency Band Antennas**

- 27 dB Gain GPS
- GSM band
- IPx7 class
- Wide temperature range

ADA-0500/1500 is an IPx7 classed GPS, GSM and antenna.

It's normally delivered with 3 m RG174 cable and any preferable standard RF connector, but can be delivered with other cables on request.

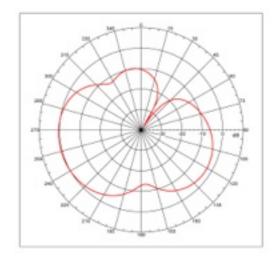
ADA-0500/1500 is available with two different mounting concepts, centre bolt or magnetic mount.

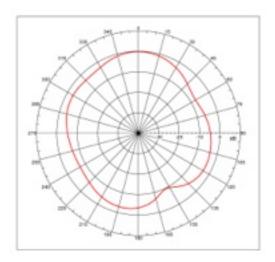




## Specification

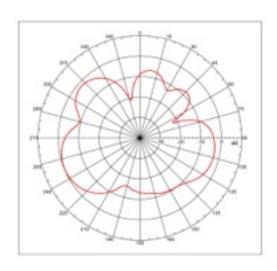
Category	GPS				
Frequency	1575.42 MHz				
Polarization	R.H.C.P.				
Power Gain	Typ. 27 dB				
Noise figure	Max 1.8				
Attenuation	Min. 20 dB @ Fo ± 50 MHz				
Bandwidth	2 MHz				
Output Impedance	50 Ω				
VSWR	<= 2.0				
Supply Voltage / Current	3.0 – 5.5 VDC / 12 mA				
RF Cable	Standard 3 m RG174/U with standard connector				
	GSM				
Frequency	824 ~ 894 MHz (GSM 850MHz) 890 ~ 960 MHz (GSM 900MHz) 1710 ~ 1890 MHz (GSM 1800MHz) 1850 ~ 1990 MHz (PCS 1900MHz)				
Polarization	Vertical Linear				
Gain	850 MHz= 1.0 dBi 900 MHz= 1.0 dBi 1800 MHz= 1.0 dBi 1900 MHz= 1.0 dBi				
Impedance	50 Ω				
VSWR	<= 2.0				
Power	10 W				
RF Cable	Standard 3 m RG174/U with standard connector				
	Overall Performance				
Size	64,5 x 14 mm (D x H)				
Mounting	Centre bolt or magnetic				
Operating temperature	-40 — +85 ° C				
Storage temperature	-45 — +100 ° C				

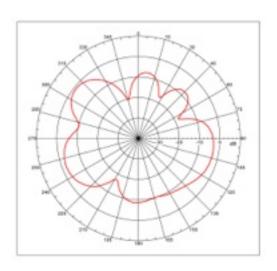




850MHz

900 MHz



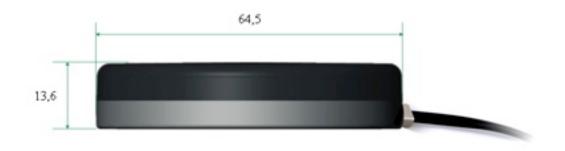


1800 MHz

1900 MHz

## Mechanical Drawing





### Ordering codes

TYPE	GPS	850	900	1800	1900	No of
						cables
ADA-0510-x			X	X		1
ADA-0520-x		X			X	1
ADA-0530-x		X	X	X	X	1
ADA-1510-x	X		X	X		2
ADA-1520-x	X	X			X	2
ADA-1530-x	X	X	X	X	X	2
ADA-1570-x	X					1

### x = C for Centre bolt mount S for Magnetic mount

The antennas are delivered with different antenna cable lengths and different connectors. Contact Adactus or our distributor for a quote for any particular specification.

For the latest updates, visit our Web site: www.adactus.se

#### Disclaimer

Information furnished is believed to be accurate and reliable. However, Adactus assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. Adactus reserves the right to make changes without further notice to any product herein to improve reliability, function or design. Adactus does not assume any liability arising out of the application or use of any product described herein.

This publication supersedes and replaces all information previously supplied. Adactus products are not authorized as critical components in life support devices or systems.