ADACTUS

ADA-A1621-S

Iridium Puck Antenna

• **High Efficiency**
• **Satellite Communication**
• **Outdoor use**
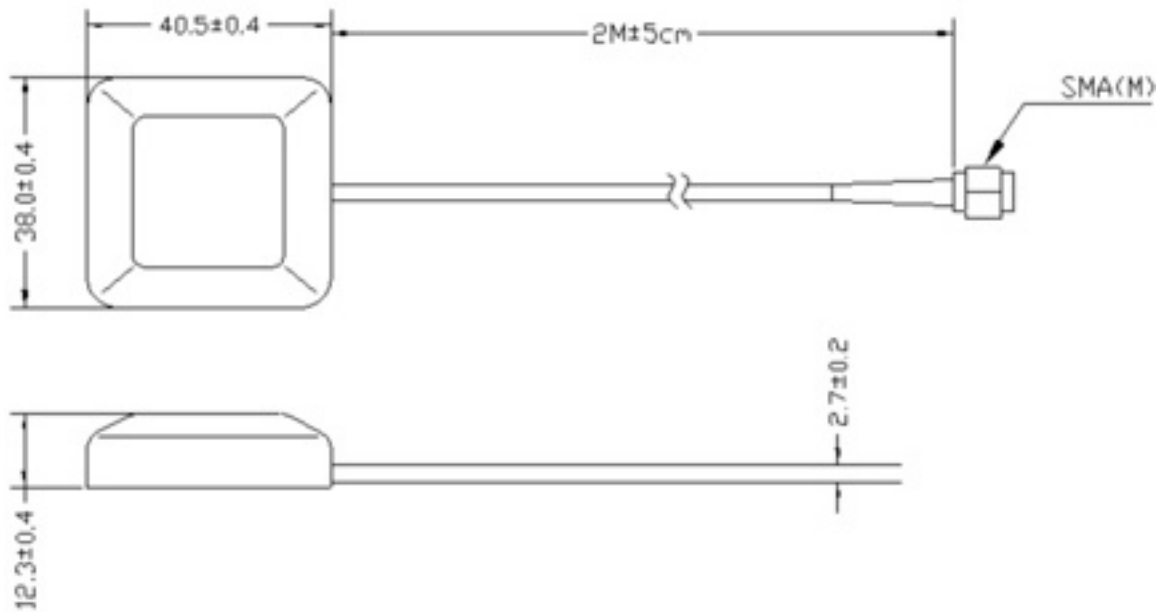• **Magnetic mount**
• **RoHS Compliant**

ADA-A1621-S is designed for Iridium Satellite Communication applications, where outside mounting is preferred. The antenna has a small foot print and can withstand high winds and wet environment.

RoHS

Optimal position for automobile applications is on the roof top of the vehicles. If the Iridium antenna unit is to be placed inside the car, be certain to avoid coverage by metal objects or behind heated windshield, for optimal performance.

Specification

Antenna	Specification
Frequency	1616MHz - 1626MHz
Center Frequency	1621.25 ± 5.25MHz
Bandwidth	15MHz min
Polarazation	RHCP
VSWR	1.5 max @center frequency
Impedance	50Ω
RF Cable	RG174 , ⌀2.7 ± 0.1mm , 2m
RF Connector	SMA (M)
	Environmental Cond.
Operating Temperature	-40℃ to + 80℃
Storage Temperture	-40℃ to + 100℃
Relative Humidity	40% to 95%
	Mechanical Spec.
Size	40.5x38.0x12.3mm
Weight	100g Max.
Mounting	Magnet mount.
Horizontal Pulling Force	1.5 Kg
Water proof	Under Water 50cm, 30min max
Shock	10 msec. Half Sine Wave
Vibration	10~200Hz Log. Sweep 3.0G sweep time: 15 Minutes, 3 Axes
Magnetic Threshold	The antenna must stay attached at speeds of 180km/h.
Cable Pulling Off Force	Min 7kg/10sec, no visible damage.
Bending Test	Min 90 Degree left and right 1000 cycles, no damage.

Ordering codes

TYPE	Description	Comment
ADA-A1621-S	Iridium Puck Antenna	Magnetic Mount Puck Antenna

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