

## Iridium Passive Magnetic Mount Antenna With SMA Connector

### Part No:AC-Iridium-50

#### 1. Introduction

Iridium External antennas can help ensure connectivity in situations where devices may be used on the interior of buildings or inside vehicles, as well as to help improve the speed and reliability of Iridium Connected devices.

These antennas have high discrimination against multi-path(reflected) signals, and are immune to RF and electrical noise.They are balanced and isolated from platform ground, ensuring immunity to common-mode noise, and are unaffected by nearfield object de-tuning.The antenna also supports Satelles STL(Satellite Time and Location) services, used for GPS back-up.



## 2. Specification

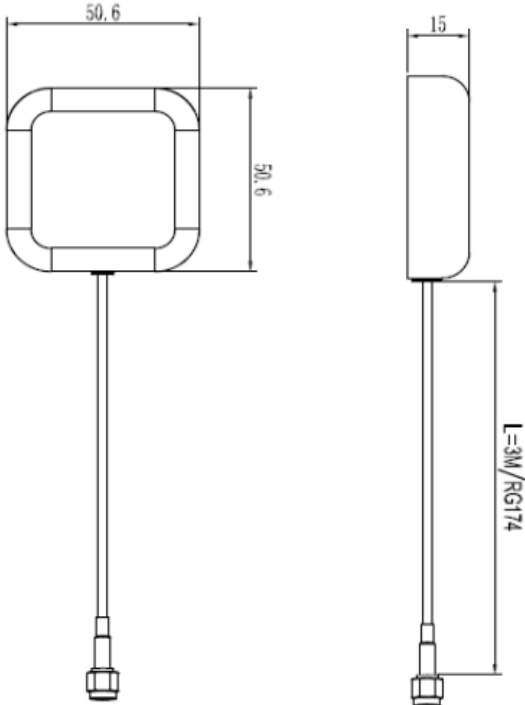
### Electrical


Antenna	Frequency Range	1616-1626MHz
	Band Width	20 MHz min. @S11≤-10 dB
	V.S.W.R	< 1.5
	Polarization Type	RHCP
	Gain range	>-4dBi at -90°<0 <+90°<b19>
	Gain	>3dBi based on 7cmx7cm base
	Impedance	50Ω

Mechanical	Polarization	sinusoidal scanning 1g(0-p) 10~50~10Hz per ax
	Housing	Black
	Cable	RG174
	Length	3M
	Connector	SMA MALE
	Antenna Radome Material	ABS
	Mounting way	Magnetic

Environmental	Dimensions	50.6x50.6x15
	Weight	<100<b115>
	Operating Temperature	-40℃~+80℃
	Humidity	UP to 95%
	Waterproof	IP67
	RoHS Compliant	YES

### 3.Drawing

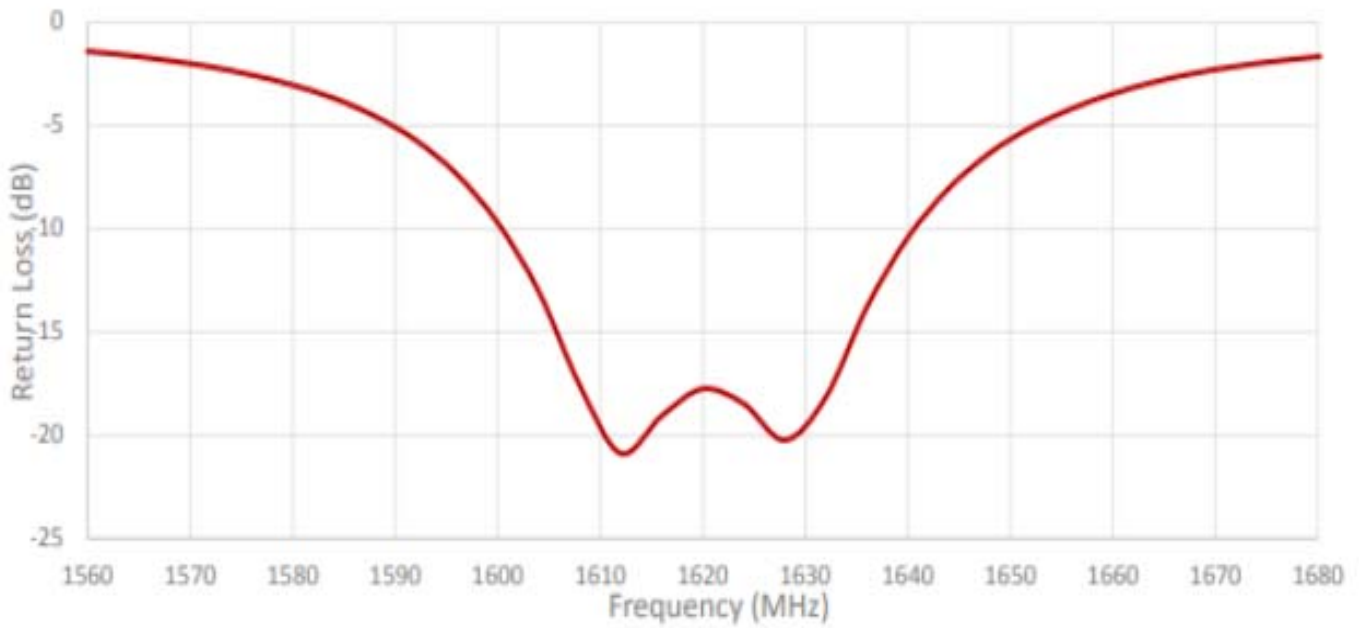
									
<p><b>Drawing</b></p>									
<p>Product Type Indium ANTENNA</p>									
<p>P/N:AC--50</p>									
<p>Technology: Rohs</p>									
3									
2			STANDARD	PN:	AC-50				
1				SPEC					
			MATERIAL	DWG NO.					
NO.	PARTNAME	DESCRIPTION		SHEET	1/1	UNIT	MM	REV	DATE
								REV	DATE
								CHKD	DATE
								BEN	2022-12-7



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#### 4.V.S.W.R

Return Loss(dB)



#### VSWR

