

## SPECIFICATION

Part No.	:	<b>AA.105.301621</b>
Product Name	:	Titan GPS Antenna AA.105 3M RG174 Fakra Code C Blue SMB(F)
Features	:	Magnetic Mount Covert stylish design Wide band input voltage 28db Gain Gain is Customizable IP-67 Waterproof

Photos :



## 1. Introduction

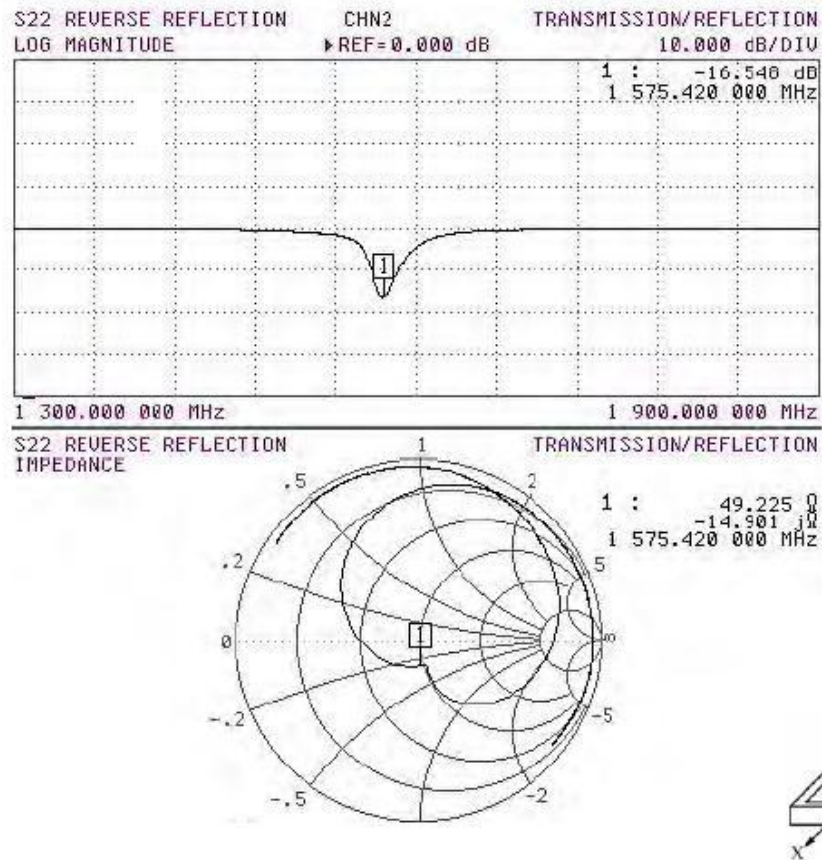
Our AA.105 Titan magnetic mount external antenna is ideal for robust, covert installations where durability and small size is paramount. It is used in telematics and M2M applications, for example in commercial vehicle installations for fleet management. It is fully waterproof to IP67 rating.

## 2. Electrical Specifications

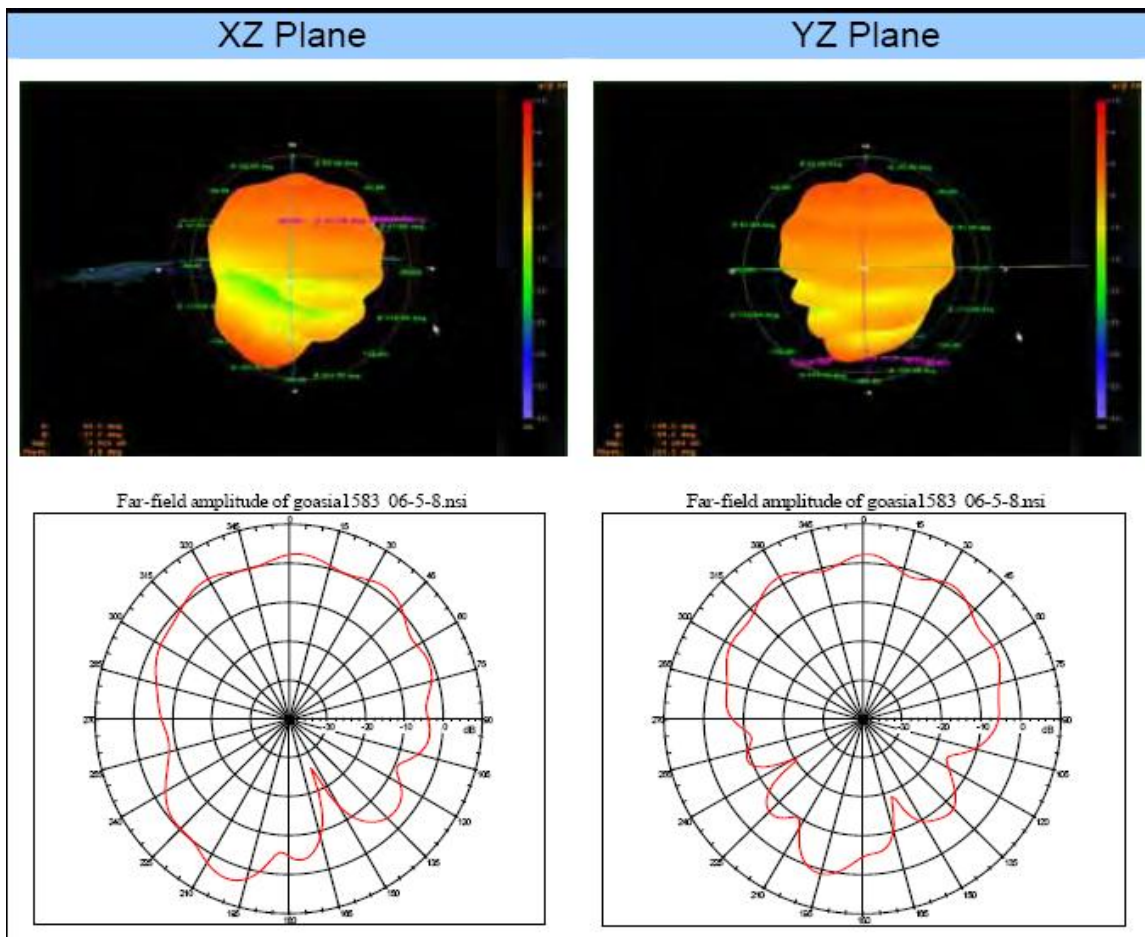
Ceramic Patch Specification	
Outline Dimension	25*25*4mm
Ground Size	25*25*4mm
Center Frequency	1575.42±3MHz
Bandwidth	10MHz
VSWR	1.92 Max
Axial ratio	3dB Typ.
Gain @ Zenith	2dBi Typ.
Impedance	50Ω
Polarization	RHCP

LNA Specification	
Frequency	1575.42MHz
Impedance	50Ω
VSWR	1.92 Max.
Gain	30dB Typ.
Gain at Connector*	28.4dB
DC Power Input	2.8~5V
Noise Figure	1.5dB Typ.
Power Consumption	4.7mA @2.7V
	6mA @3.3V
	10.3mA @5V
Operating temp	-40°C ~ +85°C
Storage Temp	-40°C ~ +90°C

### 3. Ceramic Antenna S11 (with housing)



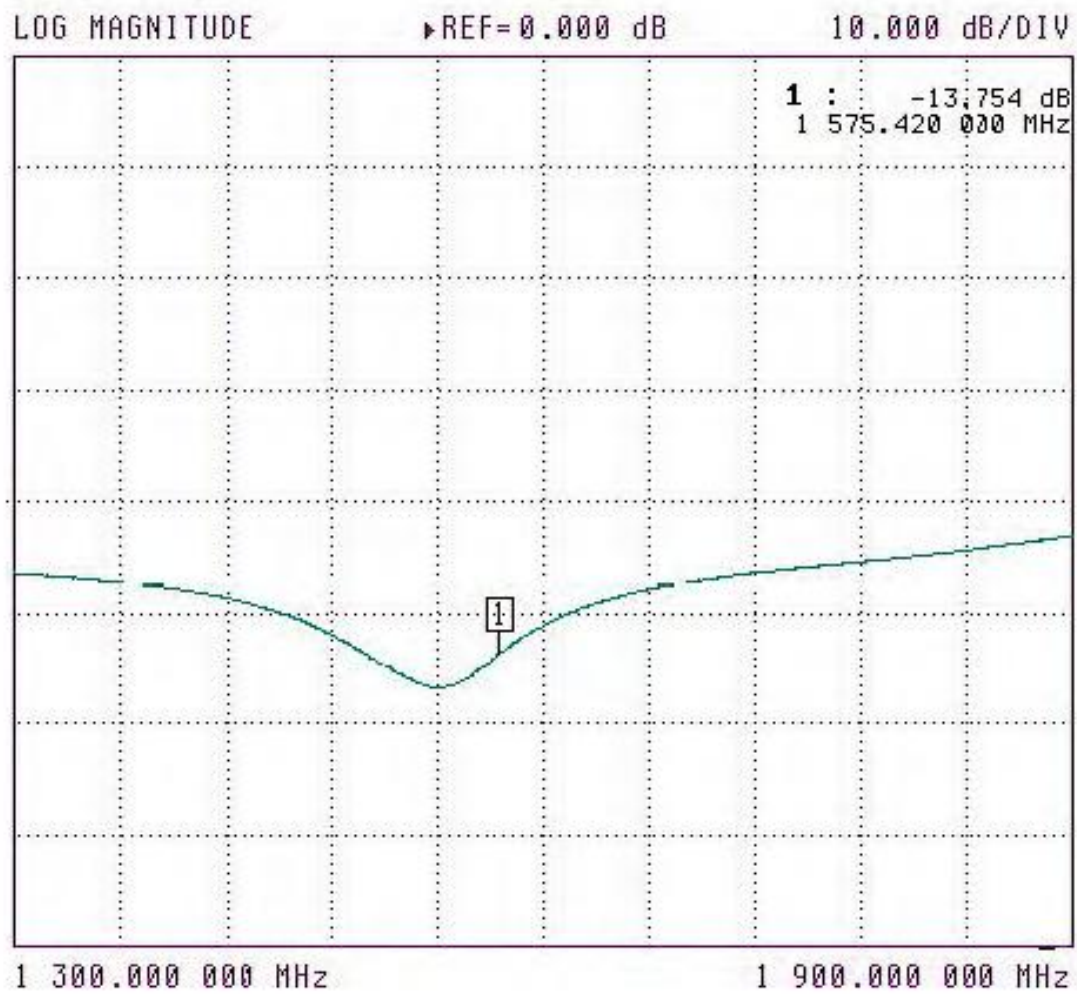
## 4. Ceramic Antenna Radiation Pattern (with housing)



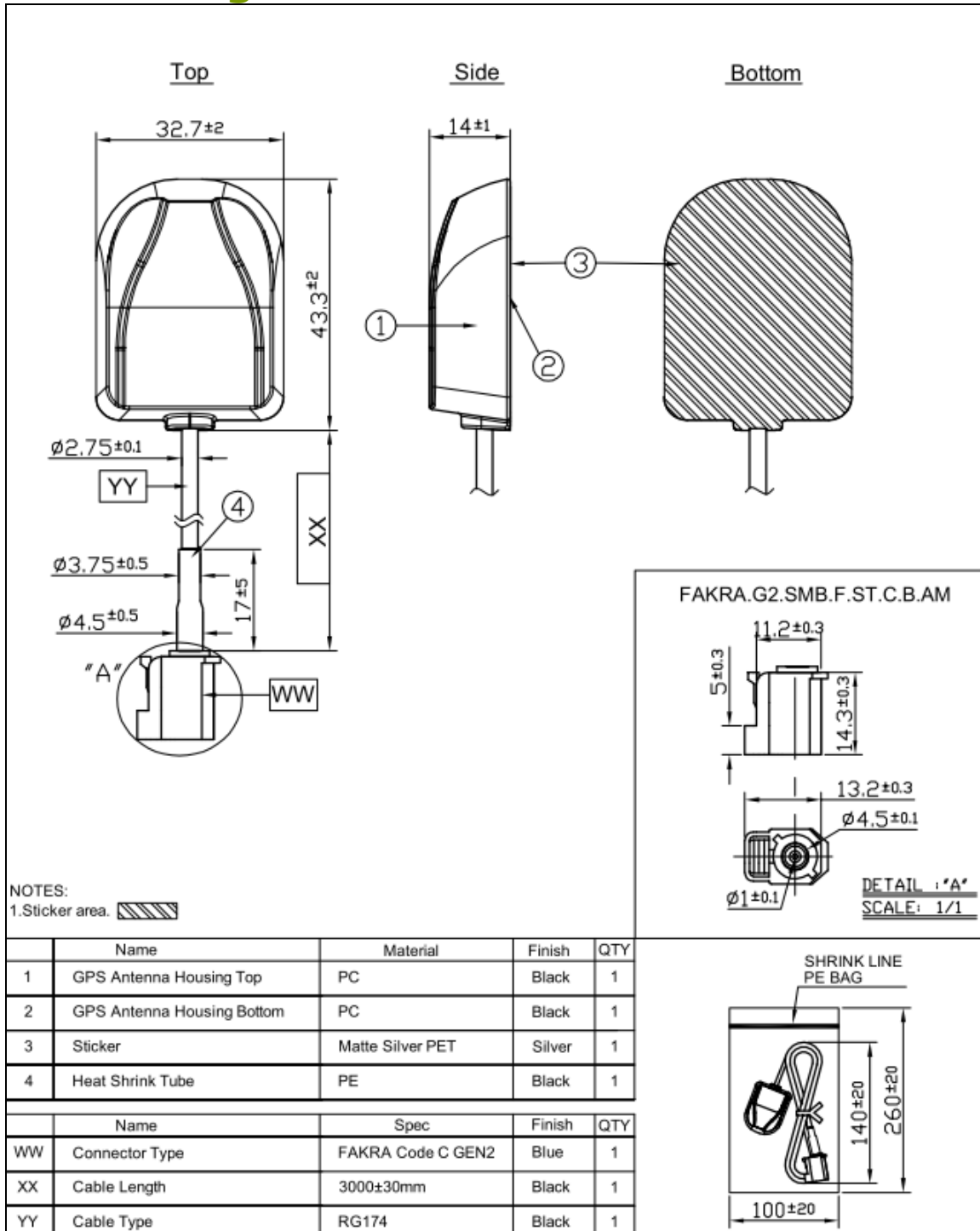
## 5. LNA gain



## 6. LNA S22

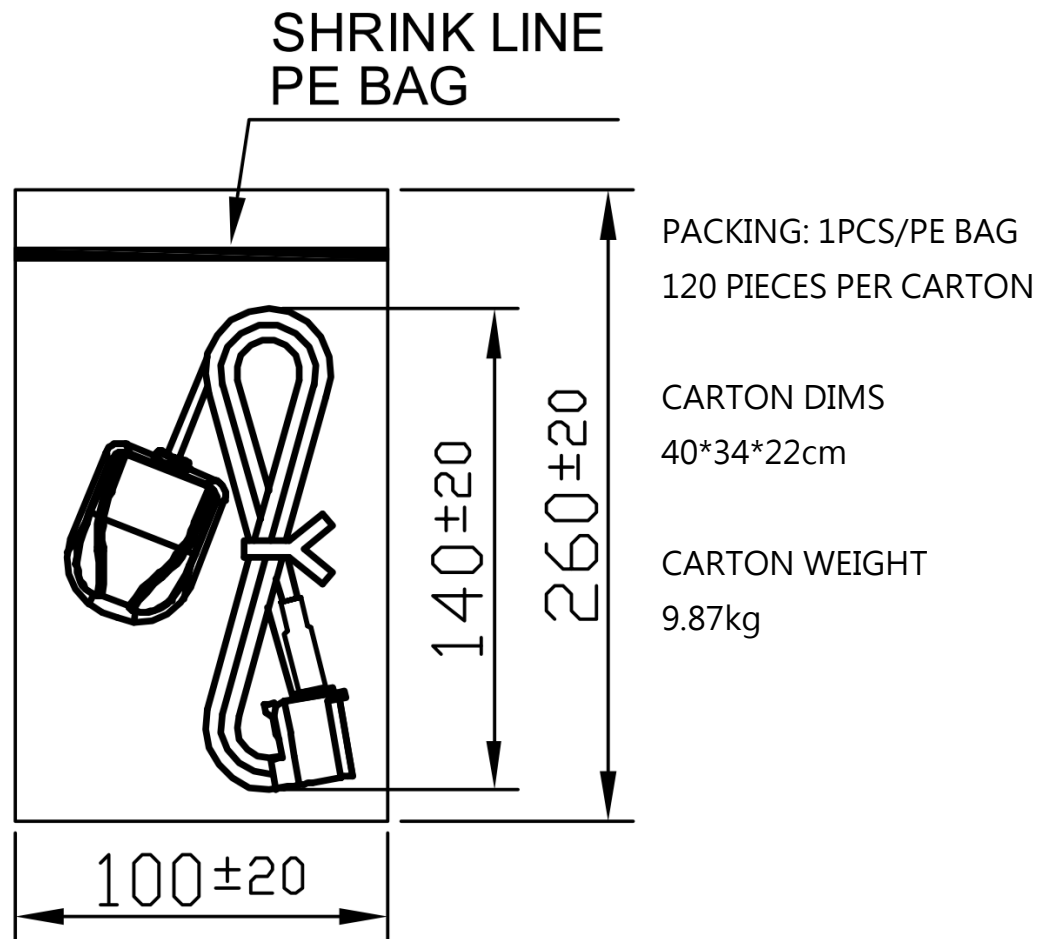


## 7. Drawing





## 8. Packaging





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