AVIATION ANTENNA MA3703A

HIGH PRECISION AVIATION ANTENNA FOR POSITIONING APPLICATIONS

Product Description

MA3703A is a kind of antenna with high gain, low wind resistance, small size, beautiful appearance and high sensitivity.Can be used with a variety of receivers, widely used in navigation scheduling, tracking monitoring and other fields.It is especially suitable for high precision applications of high speed mobile carriers and vehicles such as civil uav.

Application Field

The antenna can be used with a variety of satellite navigation receivers to meet the requirements for positioning and speed measurement of moving carriers in a high dynamic environment, and is widely used in navigation scheduling, tracking and monitoring, measurement and control, and military fields.

KEY FEATURES

- Small size, light weight, reliable structure
- Low power consumption, high sensitivity, high reliability
- It can be used with a variety of satellite navigation receivers to meet the requirements of mobile carrier positioning and speed measurement in high dynamic environment
- It can be tracked in complex environment to provide higher accuracy and reliable data for the positioning system

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PERFORMANCE

Signal Received	
GPS	L1/L2
GLONASS	L1/L2
BDS	B1/B2/B3
VSWR	≤2.0
Maximum Gain	4.0dBi
Antenna AR	
Elevation Angle 90°	≤3.0dB
Polarization	RHCP
Port Impedance	50Ω
LNA Gain	35±2dB
In-band Flatness	±2dB
Noise Figure	≤2.0dB
Operation Voltage	3.3-12 VDC
Operation Current	≤45mA

MECHANICAL

Dimensions	
Without Connector	Φ90×26mm
Connector	SMA -K
Weight	≤120g
Color	
Upper Cover	White
Pedestal	Silver

ENVIRONMENTAL

Temperature	
Operating	-40℃to +85℃
Storage	-55℃to +85℃
Relative Humidity	95%

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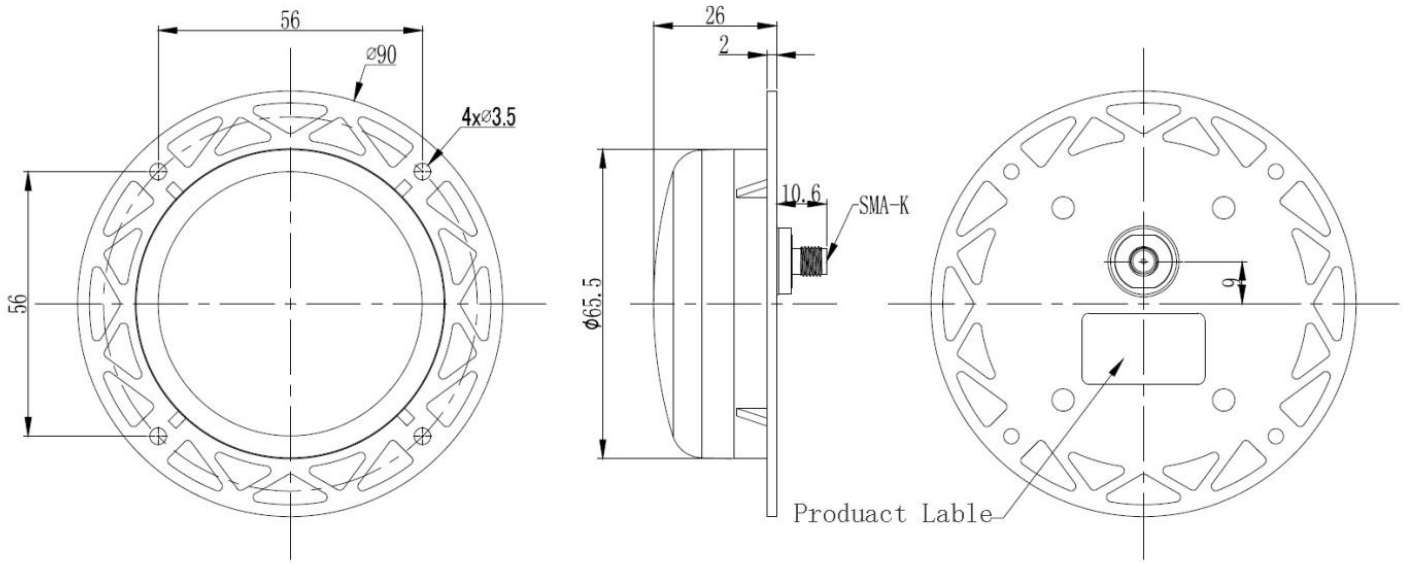
Structure& Phase Center Drawing (mm)



Undeclared tolerance:±0.3mm