

024-001016-00 BP-POD NFC Antenna

Introduction to Built-in AZM1356-1 Antenna

This antenna is a custom HF band NFC antenna (13.56MHz) designed based on the customer's handheld device environment. In order to maximize the utilization of the customer's limited device space and structural stability. Due to the proximity of the antenna to a large area of metal, an additional ferrite sheet is added to ensure reading distance. At the same time, considering ease of installation and use, the antenna uses a special pressure-sensitive adhesive.

While considering the electrical characteristics of the device, it maximizes the use of the effective structural space of the device, achieving the maximum reading distance.

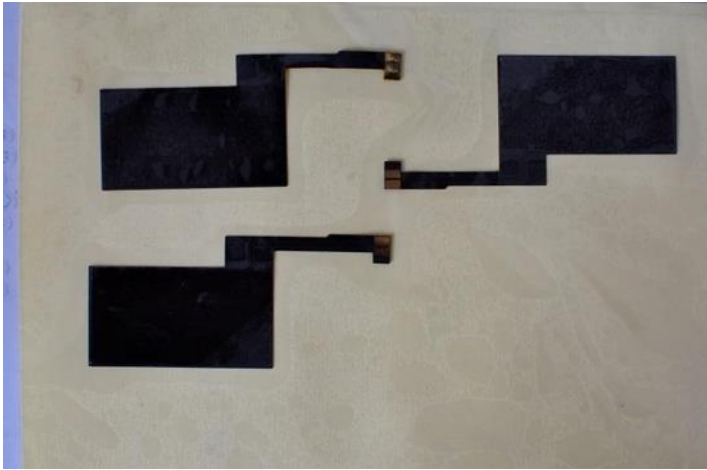
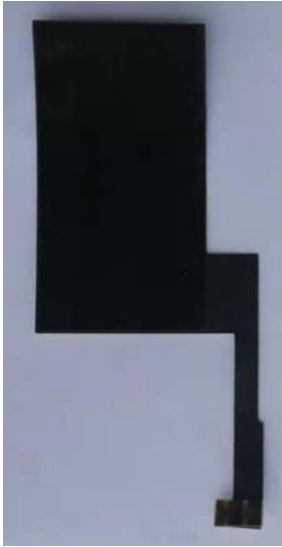
Antenna Features

- Surface mount, high space utilization
- Long reading distance
- ROHS compliant

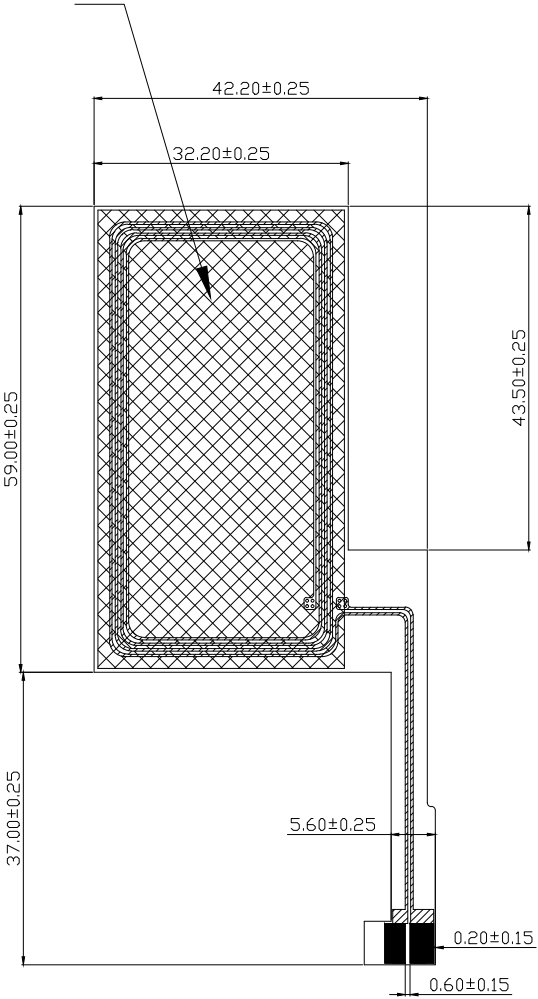
Specifications

Parameter	
Model	AZM13560-1
Manufacturer	Shanghai YiChuang Innovative Materials Technology Co., Ltd.
Frequency range	13.56MHz
Gain	0dBi
VSWR	<2.0:1
Radiation mode	Magnetic field
Antenna directivity	Vertical Up
Impedance	50 ohms
Maximum power	2W
Size	42*96*0.25mm
Operating temperature	-20~50°C
RF connector	Metal spring plate
Cable Size	None
Cable Type	None
Installation Method	PSA

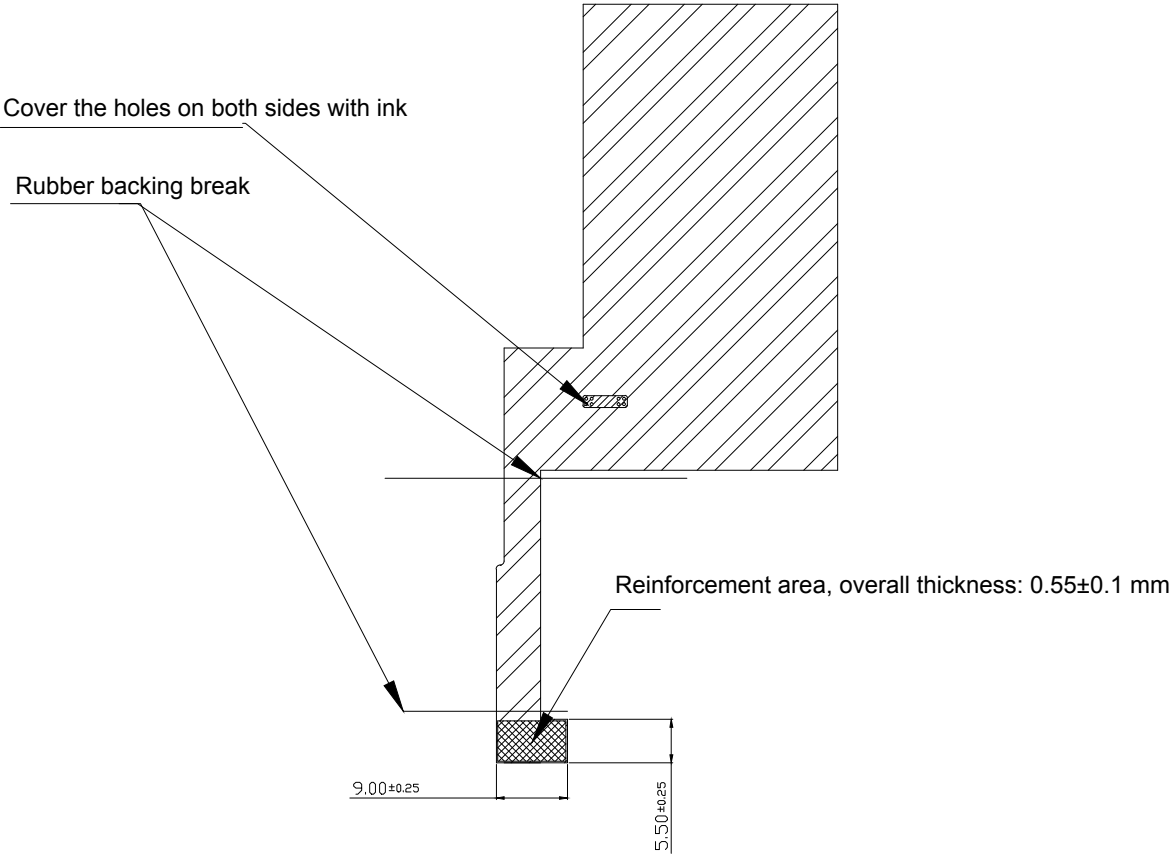
Picture



In the ferrite area, after the ferrite fits the FPC, the overall thickness should be 0.25 ± 0.05 mm



Front side (black ink side)



Back side (rubber side)