NFC

ST0812-11-N01-A

Amphenol

Datasheet

NFC Reader

FPC / Embedded



30 x 34 x 0.35mm

NFC Antenna

Features:

Thin, semi-flexible structure
Easily assembles to device covers or mechanics
Well-known antenna concept, reliable technology

Applications:

Mobile devices
Home automation devices
Sharing / pairing

RoHS

Electrical Specifications

Antenna Characteristics (Contains Ferrite)	
Frequency (MHz)*	**13.56**
Impedance (Ω)*	20~30
Inductance (µH)**	1.75
Resistance (Ω)**	1.49
Self Resonance Frequency (MHz)**	93.59
Q-Factor**	56.7
Ferrite Permeability (µ')	150

* With matching network.
** Bare coil without any matching network.

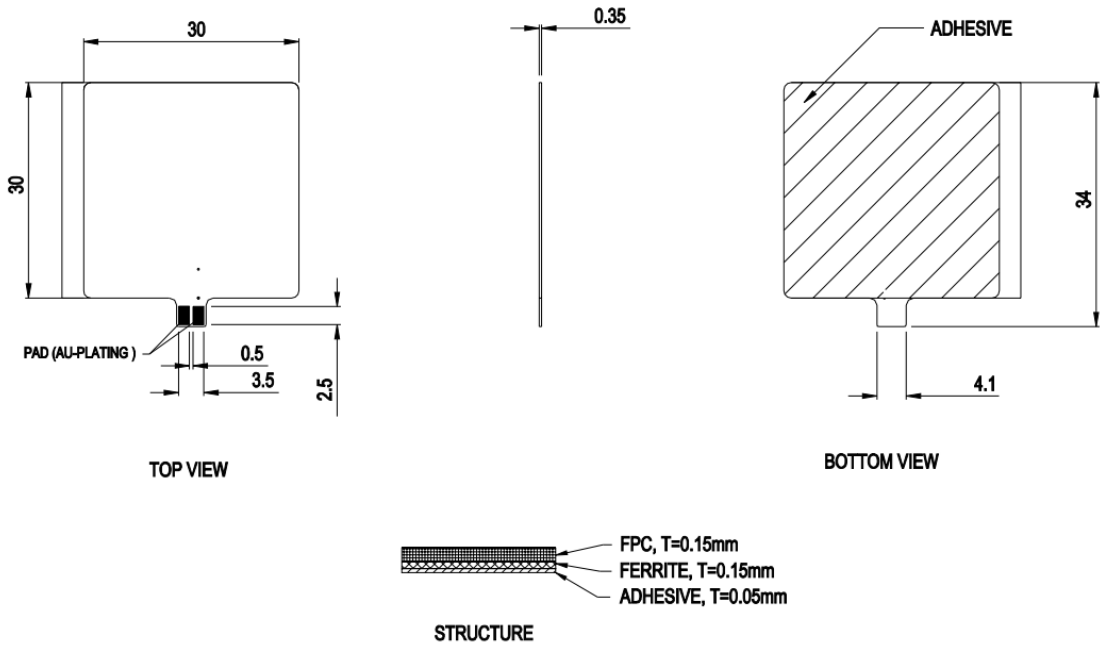
Mechanical Specifications

Environmental	
Temperature Range (˚C)	-40 to 85
Humidity	Non-condensing 65°C 95% RH
RoHS Compliant	

Part Number	Dimension (mm)	Weight (g)	Material	Adhesive
ST0812-11-N01-A	30 x 34 x 0.35	1.4	PI + Ferrite	3M 467

Mechanical Drawing

Unit : mm



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Revisions				
Rev	Description	Date	ECN	Approval
A	Initial Release	2022-10-25	ST0812-11-N01-A-RA00	ATC

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