

Datasheet

NFC Tag

PCB / Embedded

Features:

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

Applications:

- Mobile devices
- Home automation devices
- IoT devices
- Sharing / pairing



15 x 19 x 1mm

NFC Antenna

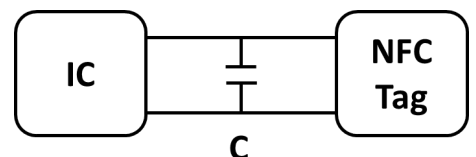


Electrical Specifications

Antenna Characteristics (Contains Ferrite)

Frequency (MHz)*	13~15.5
Inductance (μH)**	1.96
Resistance (Ω)**	0.88
Self Resonance Frequency (MHz)**	71.04
Q-Factor**	76.2
Ferrite Permeability (μ')	150

* With matching network.
 ** Bare coil without any matching network.
 C : Need to adjust with IC capacitance.



Mechanical Specifications

Environmental

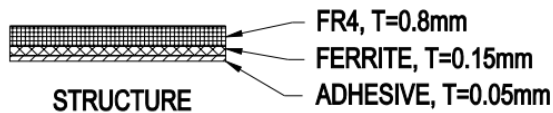
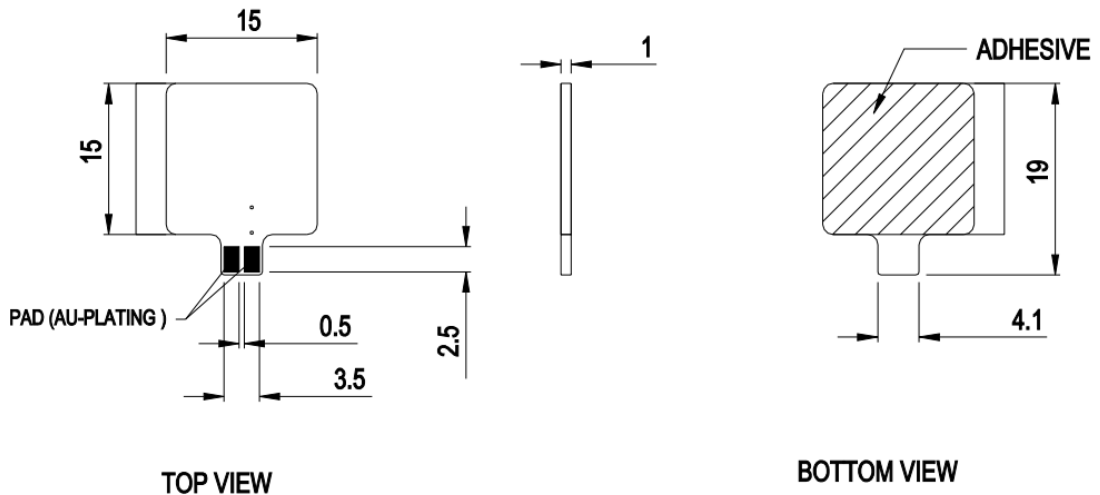
Temperature Range (°C)	-40 to 85
Humidity	Non-condensing 65°C 95% RH

RoHS Compliant

Part Number	Dimension (mm)	Weight (g)	Material	Adhesive
ST0815-00-N01-A	15 x 19 x 1	0.55	FR-4 + Ferrite	3M 467

Mechanical Drawing

Unit : mm



ST0815-00-N01-A

Revisions

Rev	Description	Date	ECN	Approval
A	Initial Release	2022-10-25	ST0815-00-N01-A-RA00	ATC

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