

Datasheet

NFC Reader / Forum

FPC / Embedded

Features:

- Thin, semi-flexible structure
- Easily assembles to device covers or mechanics
- Meet NFC Forum standard

Applications:

- Mobile devices
- Payment terminals
- Sharing / pairing



ST0812-11-N02-A

45 x 34 x 0.35mm

NFC Antenna



Electrical Specifications

Antenna Characteristics (Contains Ferrite)

Frequency (MHz)*	13.56
Impedance (Ω)*	20~30
Inductance (μ H)**	1.54
Resistance (Ω)**	1.64
Self Resonance Frequency (MHz)**	84.27
Q-Factor**	49.4
Ferrite Permeability (μ')	150

* With matching network.

** Bare coil without any matching network.

Mechanical Specifications

Environmental

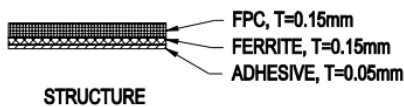
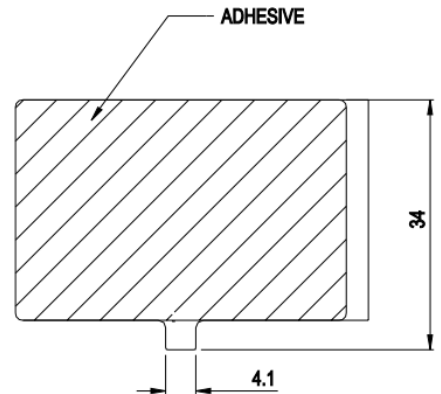
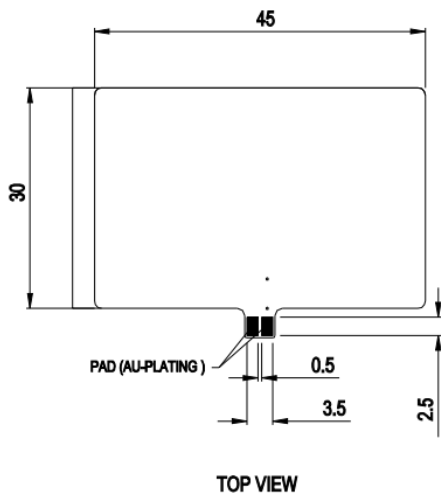
Temperature Range (°C)	-40 to 85
Humidity	Non-condensing 65°C 95% RH

RoHS Compliant

Part Number	Dimension (mm)	Weight (g)	Material	Adhesive
ST0812-11-N02-A	45 x 34 x 0.35	1.4	PI + Ferrite	3M 467

Mechanical Drawing

Unit : mm



Revisions

Rev	Description	Date	ECN	Approval
A	Initial Release	2022-10-25	ST0812-11-N02-A-RA00	ATC

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