

25x25mm NFC Antenna

FEATURES



- Operating Frequency: 13.56 MHz
- RF Power: 2W
- RoHS: Yes
- Operating Temperature: -40 to +85°C



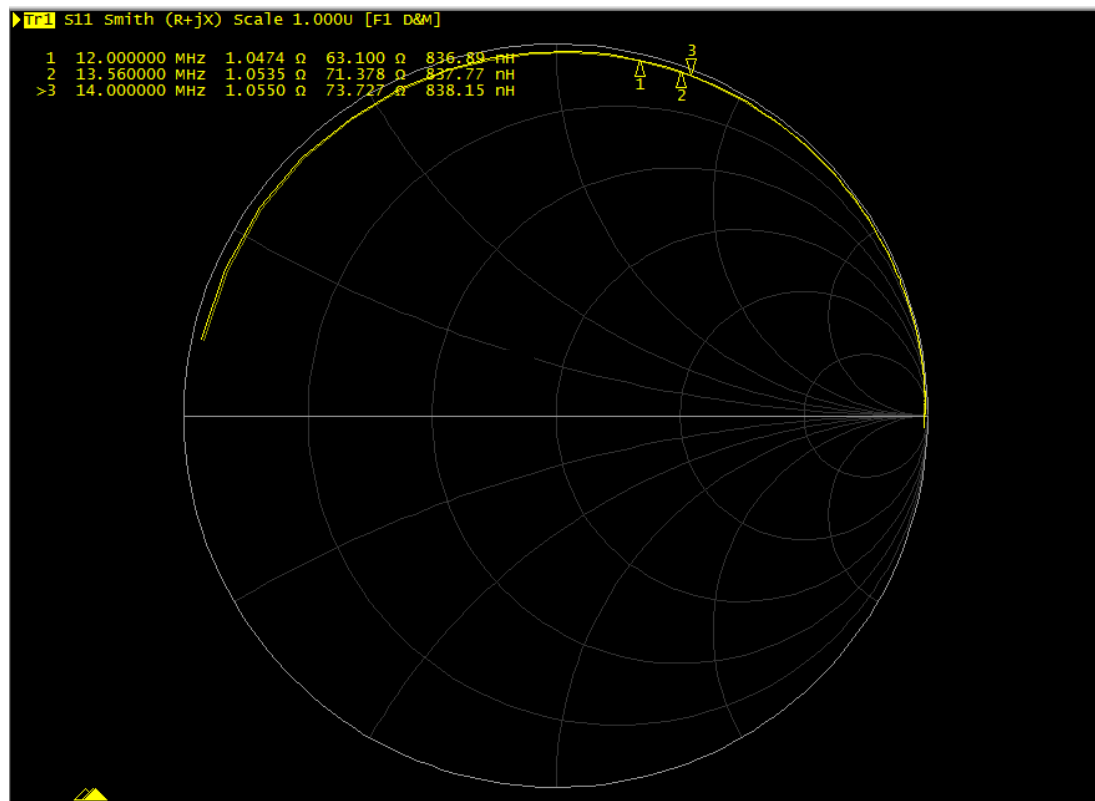
PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Color
AINF006	0.2g	25x25x0.16mm	Yellow

SPECIFICATIONS

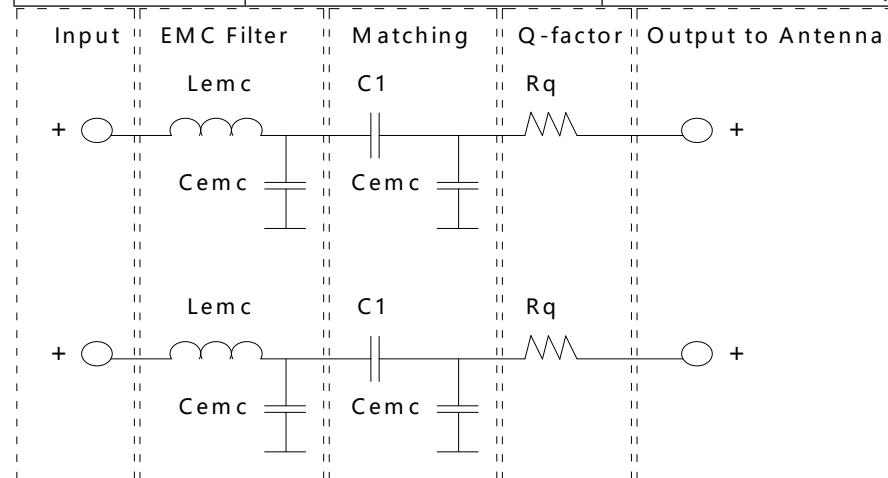
PARAMETER	SPECIFICATION
Frequency Bands, MHz	13.56
Self Resonance Frequency, MHz	100
Impedance(Ω)	50
Inductance(μ H)	0.837
Resistance(Ω)	1.05
Q-Factor	67.75
Matched Q Value	20-40
Color	Yellow
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	REACH/RoHS Compliant

ELECTRICAL DATA

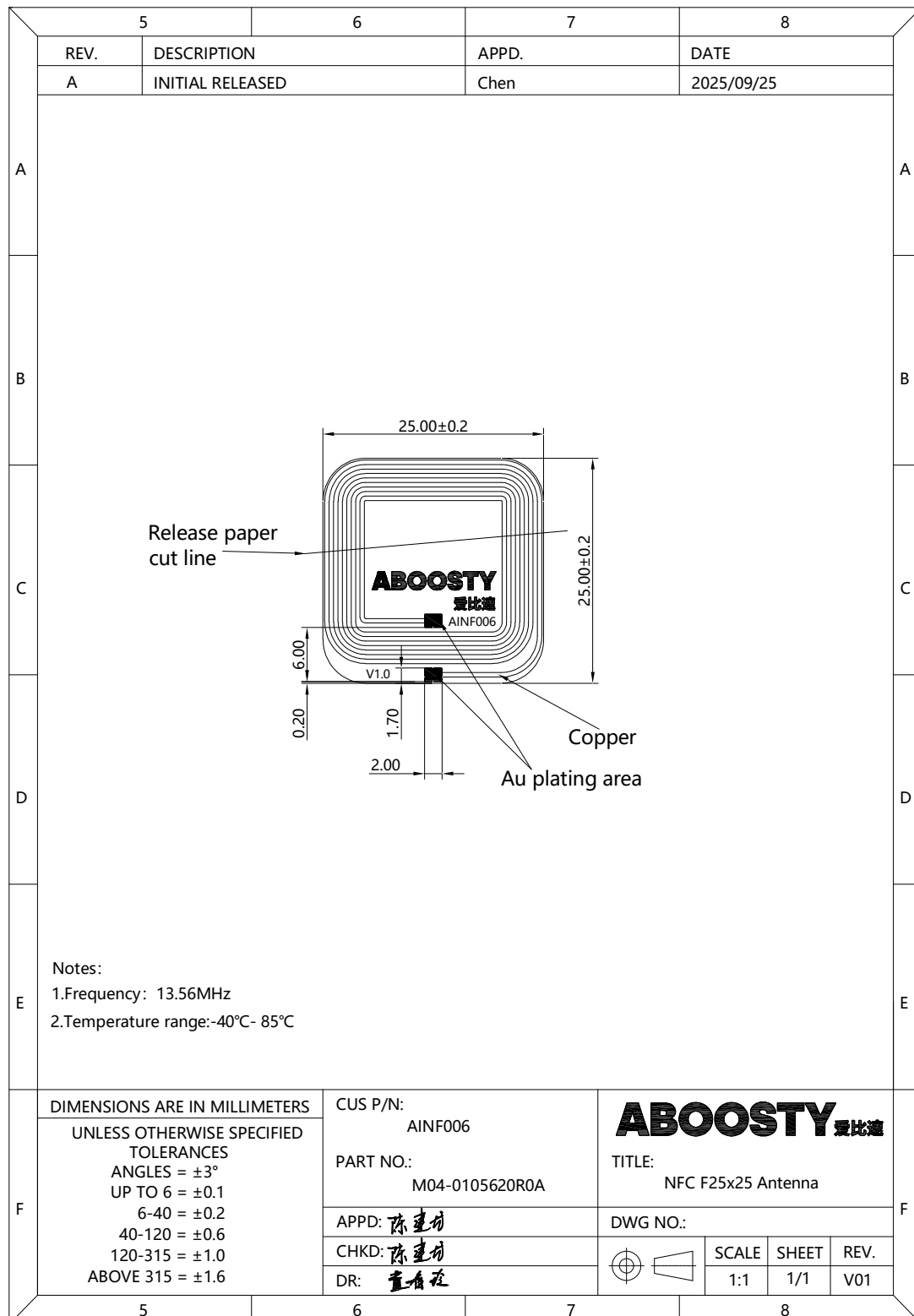


Recommended matching network

Component	Value	Note
Lemc	560 nH	Filterresonance at 15.4 MHz
Cemc	180 pF	Filterresonance at 15.4 MHz
C1	35 pF	Antenna matching component, value depends on the antenna environ-ment Antenna matching
C2 Includes C2a and C2b values	280 pF	Antenna matching component, value depends on the antennaenvironment Antenna matching
Ra	0 Ohm	Ra resistors used to lower Q-value



HOUSING CONFIGURATIONS



Aboosty™ is owned by Shenzhen MyAntenna RF Technology Co., Ltd. (often abbreviated as MyAntenna).