Dongguan Juyuan Precision Technology Co. LTD

Specificaton Approval

Customer：ANKER

Customer P/N：31143000047

Model：A1667-JuYuan18.00559

Issue Date：

Document Rev：A1

Make/Date：Wanying Chen 2024-09-03

Customer Signatures

Precheck By:	Checked By:	Approved By:

Please sign back. If not signed back, placing an order is equivalent to acknowledging the sign back!

Inner Signatures

Department:	ED	QC	SD
Approvde By：			

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Change Directory

Change Item	Before Change	After change	Change Date	Modifying Operator

JuYuan Electronic

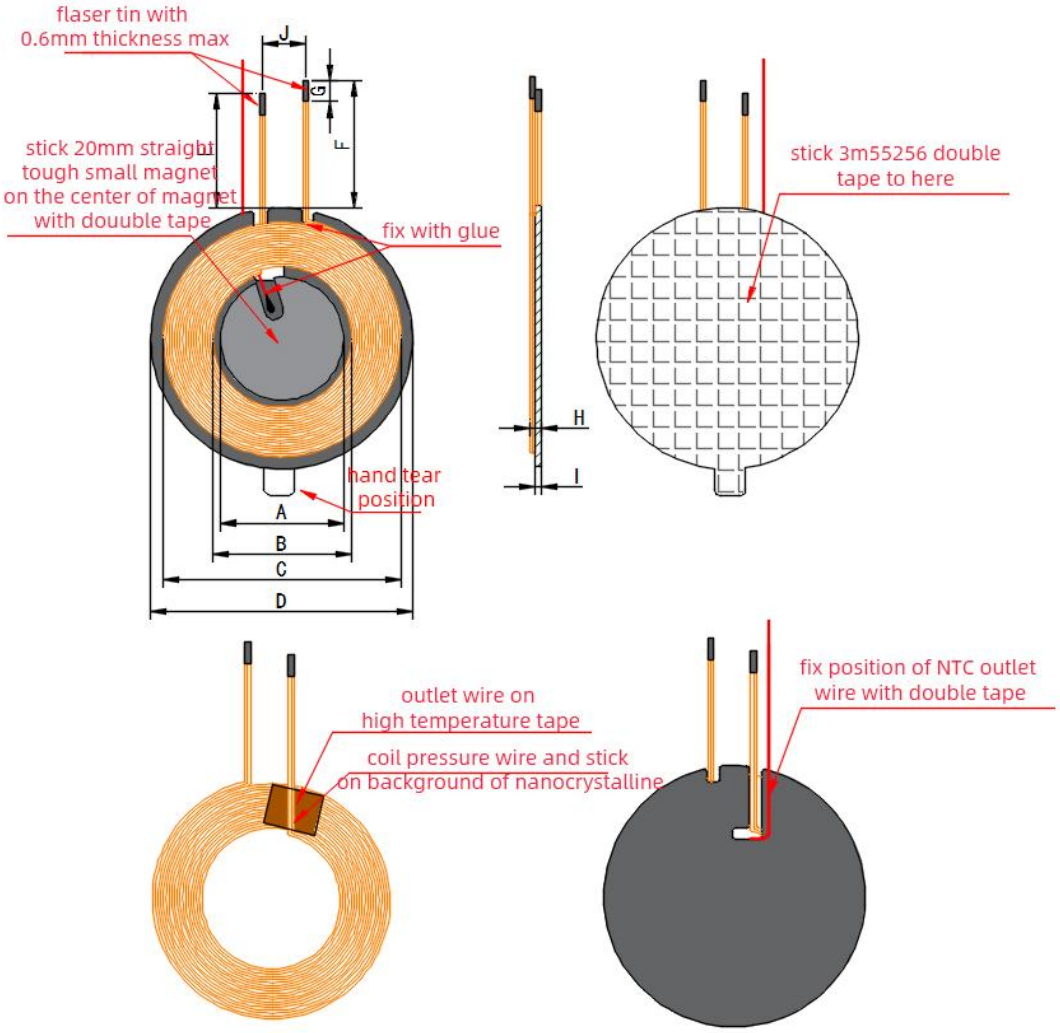
Specifications

Reference Designs

Version1.0.1

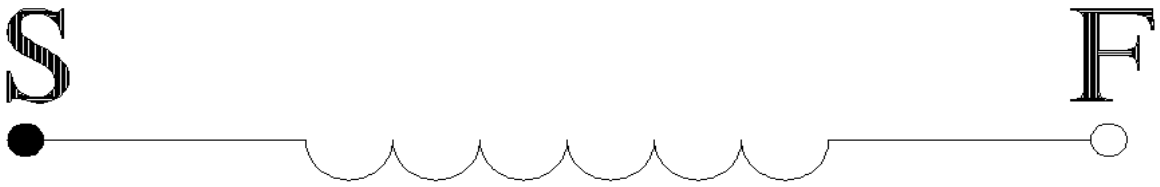
Model Number	A1667	Customer P / N	31143000047
		Supplier P / N	18.00559

一，Appearance Size：unit/mm



A	20±0.5
B	22±0.5
C	39±0.5
D	42.4±0.5
E	39±1
F	41±1
G	3.5±1.5
H	Thickness 1.35±0.15 Exclude Release Paper,include position of outlet
I	0.3±0.1
J	3MAX Distance of the center of outlet
K	
L	
M	
N	
O	
P	
Q	
R	

二，Schematic Diagram：



三，Winding Parameters：

Winding	Start	Finish	Turns	Line Diameter	Winding Way	Winding Direction	Layer&Circle
	S	F	11TS	0.085*65P	Single layer close-packed wound	anticlockwise	1layer/11TS

四，Electrical Characteristics：

Item	Terminal	Test Conditions	Test Instrument	Parameter	Unit	Numerical Value
inductance	S-F	100KHz/1.00V/100Ω	1062E-Bridge	Inductance LS@100KHz/1V	μH	8.1μH±10%
resistance	S-F	100KHz/1.00V/100Ω	1062E-Bridge	DCR@100KHz/1V	mΩ	75MAX
Q vaules	S-F	100KHz/1.00V/100Ω	1062E-Bridge	@100KHz/1V		60MIN

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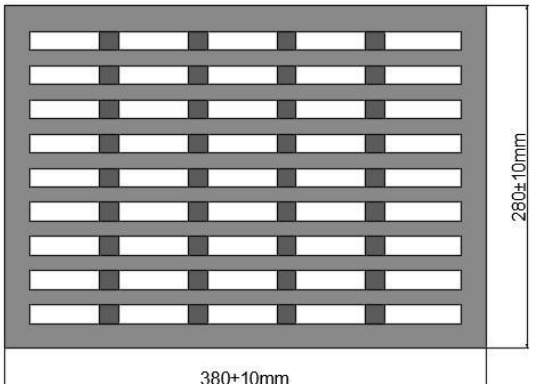
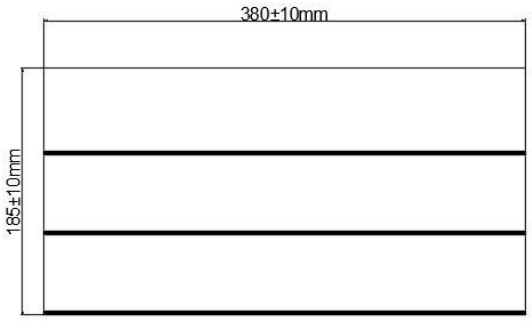
Encascment

The packing way

Version1.0.0

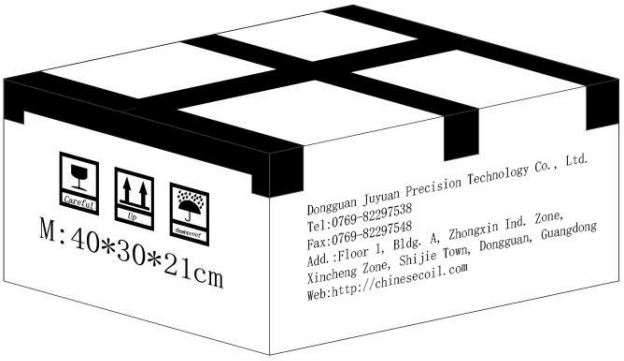




1. EPE size:38*28*6cm
2. Each EPE has 45 cells,The middle 270 cells are not filled

Each box is packed with 3 layers of EPE,The EPE is Separated by cardboard cotton, which can contain 810 pcs products

1. Each layer of pearl cotton can hold 270 pcs of products;
2. Each box can contain 3 layers of pearl



Product	Single layer quantity	Layer/Box	Total/Box	Weight
	270pcs	3layer/box	810pcs/box	

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Materiel

Bill Of Materials

Version1.0.0

Material List			
Customer P / N	31143000047	Supplier P / N	18.00559

No.	Material Name	Material Specification	Material Code	Manufacturer
1	enamelled wire	0.085*65P	01.00212	
2	lead-free tin	High temperature	05.00058	
3	glue	White glue 103	05.00001	
4	nanocrystalline	10layer nanocrystalline Φ 42.4*0.3mm, Single L trough, Single tape	02.00000	
5	Small magnet	20*1.0mm, Straight trough	02.00000	
6	NTC	100K/3950, length 59mm The size of NTC's top 1.0MAX	07.00000	
7	Double side tape	19*0.08mm	05.00160	
8	cardboard	378*270mm	04.00020	
9	packing	390*280*47mm	04.00029	
10	Carton	400*300*190mm	04.00008	
11	High temperature	Width:8mm	05.00023	
12	Double side tape	Φ41*0.06mm 3M55256	05.00407	
13				
14				

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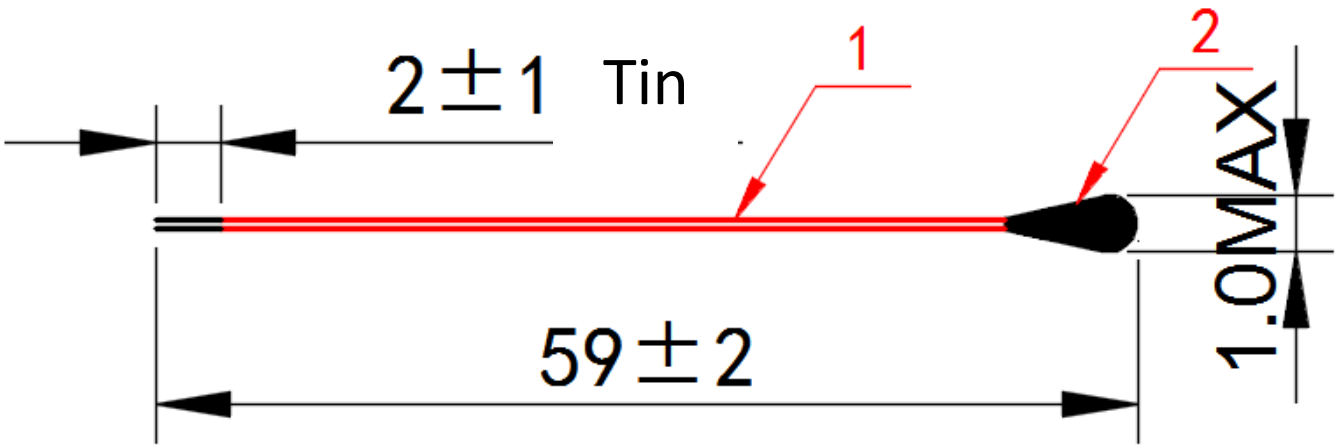
五，NTC Specifications：

1.Product Drawing：



2.材料清单 Material List：

No.	Material Name	Material Specification	QTY	Remark
1	Outlet line	Φ0.28enamelled wire	2PCS	
2	resin	Black epoxy resin	/	
	Resistance	100KΩ±1%；B25/50=3950K±1%	1PC	

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3. Electrical Characteristic：

No.	Item	Symbol	Test Conditions	Min.	Nor.	Max.	Unit
1	Resistance At 25℃	R25	Ta=25℃+0.05℃ P_τ ≦0.1mW	99	100	101	KΩ
2	Resistance At 85℃	R50	Ta=50℃+0.05℃ P_τ ≦0.1mW	/	35.8	/	KΩ
3	B Value	$B_{25/50}$	1779.707*LnK	3600	3950.00	4300	K
4	Thermal Dissipation Constant	δ	Ta=25℃in air	0.7	/	/	mW/℃
5	Response Time-In liquid	τ	25℃→85℃ T1=25+85-25*63.2%-62.9℃	/	/	7	Sec
6	Insulation test	/	DC500V 3 Sec	50	/	/	MΩ
7	Hi-Pot Test	/	500V AC 5.0mA	/	/	5	Sec

4. Ratings：

No.	Item	Specification	Unit
1	Product Working Temp.Range	-30~+120	℃
2	Max.Dissipation power25℃	3.5	mW

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5. Soldering Iron setting：

序号 No.	Item	Test Conditions
1	Temperature of Soldering Iron-tip	T≤360℃
2	Soldering Time	S≤3Sec
3	Distance From Thermistor	L≥10mm

6. Storage Conditions：

6.1Storage Conditions:

1. Ambicnt Temperature:-10℃~+40℃
2. Relative Humidity:≦75%RH
3. Keep away from corrosive atmosphere and sunlight

6.2 Period of Storage:

1. Normal placed l year
2. Placed more than normal time or storage environment changes, Can be used only need to test before use.