

SPECIFICATION FOR APPROVAL



CUSTOMER: 安克华

DESCRIPTION: Common Mode Choke

CUSTOMER P/N: AS-162

LIHUA P/N: SPFC0806-472N

TYPE: SPFC0806

SPEC. NO.: S-018-E0120

DATE: 5/Nov/2018

ISSUE BY		
APPROVED	CHECKED	DRAWN
 2018/11/05 GH Xiao	 2018/11/05 Jack Tao	 2018/11/05 Cindy Liu

CUSTOMER APPROVED BY		
APPROVED	CHECKED	CHECKED



LIHUA ELECTRONICS CORP.
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Customer 安克华		Specification (Revisions)	Type SPFC0806
Symbol	Date	Revisions	Client
A	2018/11/5	新规承认作成	Jack Tao

Note: This specification is subject to change without notice for improvement. It is requested that confirmation is made when ordering.	Spec. No. S-018-E0120
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SPECIFICATION

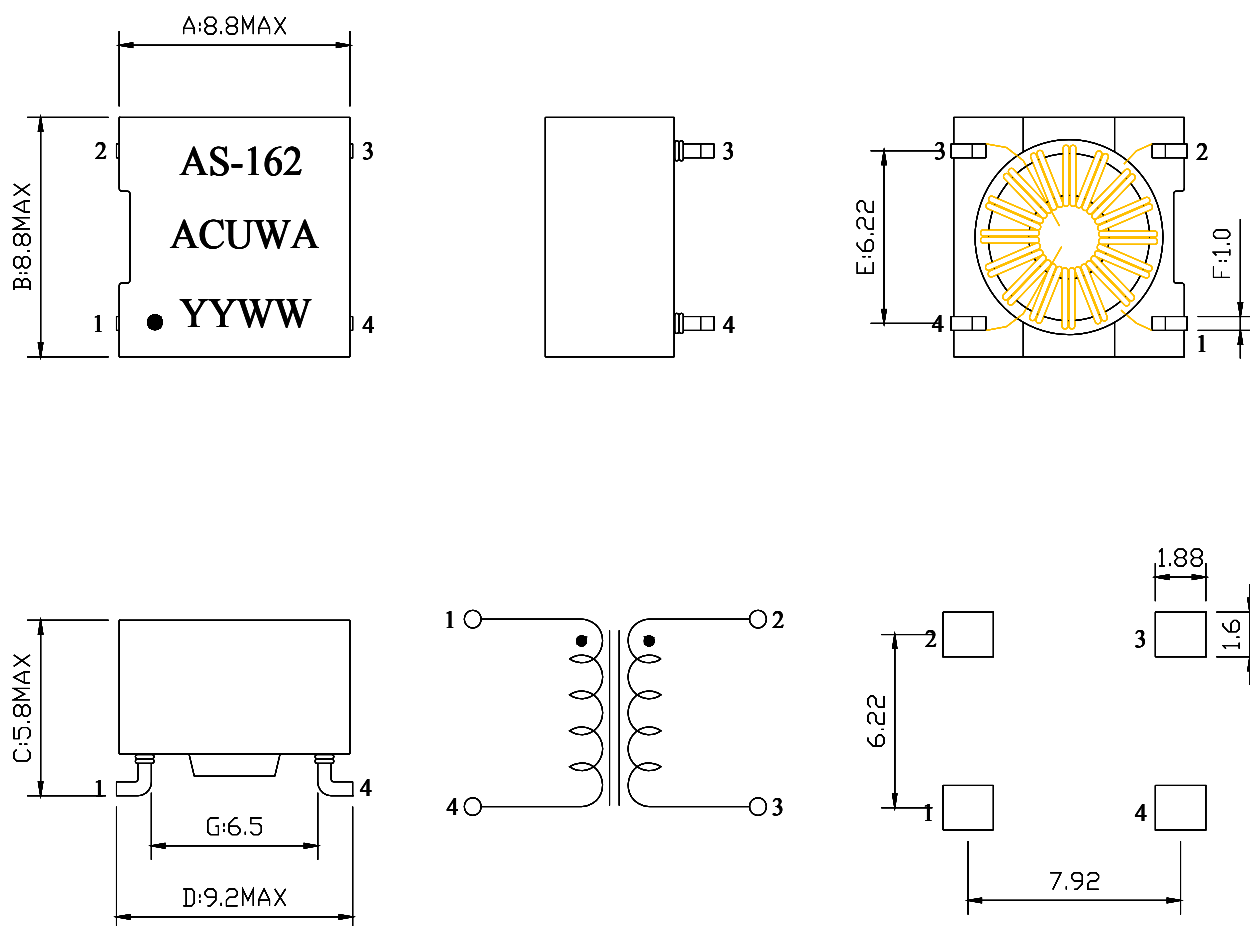
Customer: 安克华	Type: SPFC0806
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1. ELECTRICAL SPECIFICATIONS@25℃

- 1-1. $L_s(1-4=2-3): 4.7\text{mH} \pm 50\% / -30\%$ @10kHz, 0.1V
- 1-2. DCR(1-4=2-3): 550mΩ Max.
- 1-3. $L_k(1-4): 0.5\mu\text{H MAX}$ @10kHz, 0.1V
- 1-4. Turn Ratio&POLARITY(1-4:2-3): $1:1 \pm 3\%$ @17.75kHz, 1V
- 1-5. WORKING CURRENT UP TO 350mA R.M.S.
- 1-6. Hi-pot: 1-4 to 3-3 @1500Vac, 1mA, 60Sec.

2. APPEARANCE



Approved	Checked	Drawn	Customer P/N	AS-162	
LIHUA 2018/11/05 GH Xiao	LIHUA 2018/11/05 Jack Tao	LIHUA 2018/11/05 Cindy Liu	LIHUA P/N	SPFC0806-472N	
			Type code		Spec. No.: S-018-E0120
			Date	2018/11/5	

S P E C I F I C A T I O N

Customer:	安克华	Type:	SPFC0806
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3 .Test data

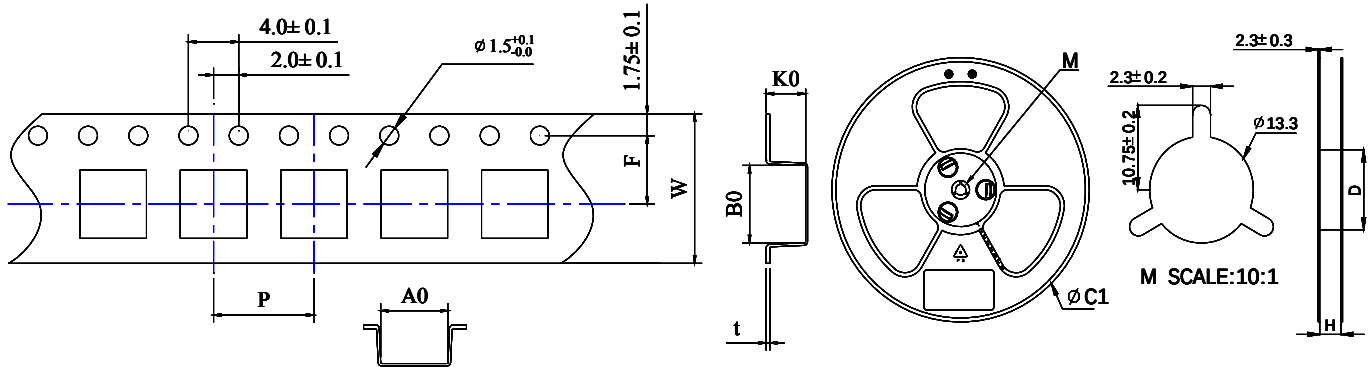
Part No.: SPFC0806-472N				Subject:Electric&Dimension			Date: 2018/11/5		
Measuring instrument(s): ☒ Tonghui TH2819A LCR ☐ Tonghui TH7133 ☐ TH2882A Impulse Winding Tester ☐ Zentech 9072A ☒ Agilent 4191A ☐ Agilent 4284A ☐ Micrometer ☐ TMS ☐ Caliper							Quantity:		
							10 pcs		
							Temperature:		
							25 °C		
							Humidity:		
							65 %		
Test item	Ls	DCR	Hi-pot		A	B	C	D	E
Con. No.	mH	mΩ	1500Vac		mm	mm	mm	mm	mm
	4.7 +50%/-30%	550 Max.	1mA,60Sec.		8.8 MAX	8.8 MAX	5.8 MAX	9.2 MAX	6.22 REF
1	5.39	389.0	ok		8.57	8.54	5.58	8.90	6.19
2	4.52	383.0	ok		8.57	8.52	5.58	8.86	6.20
3	5.52	386.0	ok		8.58	8.53	5.57	8.88	6.21
4	5.30	385.0	ok		8.56	8.54	5.58	8.87	6.20
5	5.06	387.0	ok		8.56	8.54	5.59	8.89	6.18
6	5.08	386.0	ok		8.57	8.53	5.58	8.86	6.20
7	5.57	385.0	ok		8.56	8.54	5.57	8.90	6.21
8	5.48	383.0	ok		8.57	8.53	5.58	8.87	6.19
9	4.13	384.0	ok		8.56	8.52	5.58	8.86	6.18
10	4.25	386.0	ok		8.56	8.53	5.59	8.88	6.20
X Bar	5.030	385.400			8.566	8.532	5.580	8.877	6.196
MAX	5.570	389.000			8.580	8.540	5.590	8.900	6.210
MIN	4.130	383.000			8.560	8.520	5.570	8.860	6.180
R	1.440	6.000			0.020	0.020	0.020	0.040	0.030
Note:									
Note:							Spec. No. S-018-E0120		

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4. Packing specification

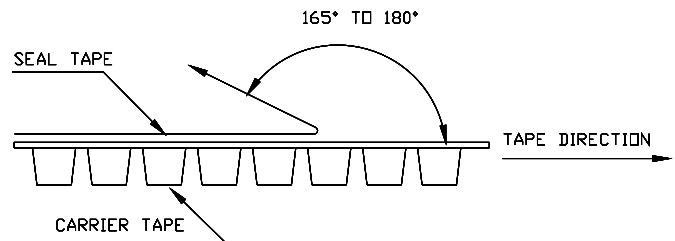
4-1. Tape dimension (mm)



W	A0	B0	K0	F	P	t	C1	D	H
24±0.3	8.9±0.1	9.2±0.1	6.0±0.1	11.5±0.05	16±0.1	0.4±0.05	330±1.0	100±1.0	24.5±0.2

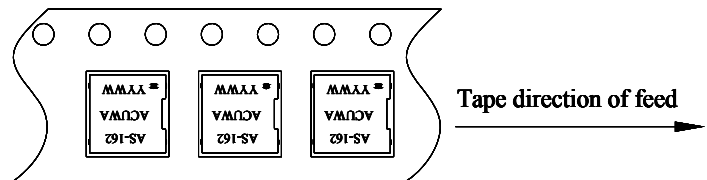
4-2. Taping

*The angle between the seal tape during peel off and the direction of unreeling shall be 165 ° to 180 ° The seal tape shall adhere uniformly to the carrier tape along both sides in the direction of unreeling. The peel force with a peel speed of 300mm/MIN±10mm/MIN shall be 0.5N to 1.3N.

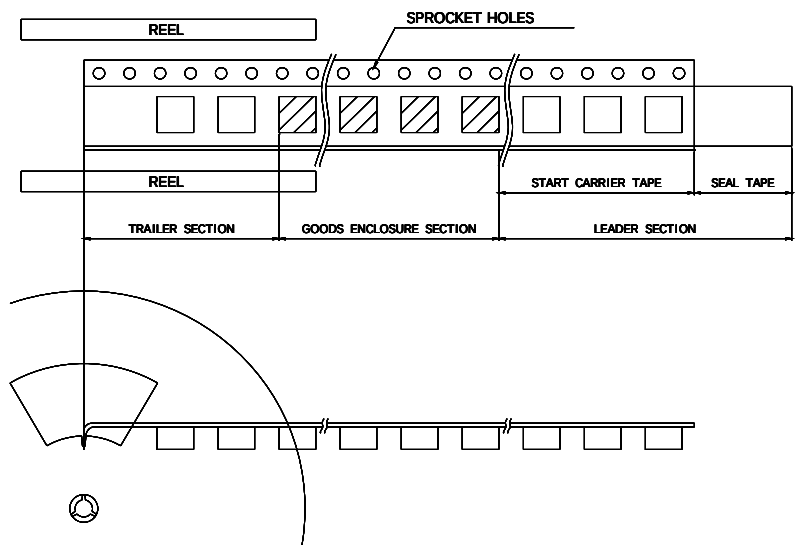


* Enclosing condition of coils.

The mark side is upward as the up illustration.



Leader section	400mm Min.
Carrier tape start size	100mm Min.
Trailer section size	160mm Min.
Quantity	500pcs/Roll



Note:	Spec. No.: S-018-E0120
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S P E C I F I C A T I O N

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5. General characteristics

5-1.Storage temperature range : $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$

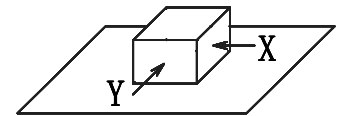
5-2.Operating temperature range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$ (Including coil's self temperature rise)

5-3.External appearance : No external defects can be found in the visual inspection.

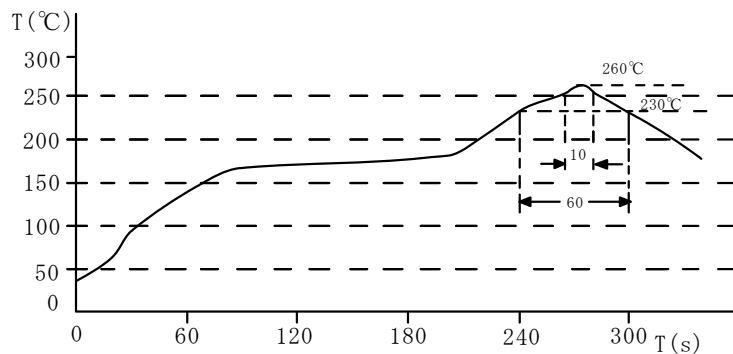
5-4.Storage period of packed product :

The storage period of the packed product is within 6 months after the production. The storage environment is that there are no caustic factors and dew condensation, surrounding temperature is $5 \sim 40^{\circ}\text{C}$ and relative humidity is $20 \sim 70\%$.

5-5.Electrode strength : No electrode detachment should be found when the device is pushed the device is pushed in two directions of X and Y with the force of 5N for 10 ± 1 seconds x after soldering between copper plate and the electrodes. (Refer to figure below) t



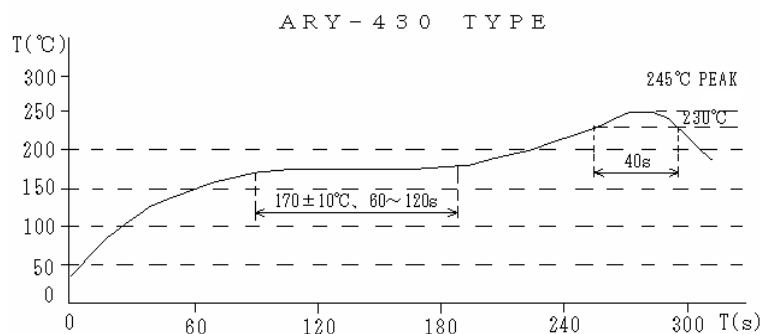
5-6.Heat endurance test :



5-6-1.The test should be made under the conditions according to the chart,after the test it is kept for 2 hours under the normal temperature and humidity.Then,no mechanical and electrical defect should be found out.

5-6-2.The reflow test can be done twice,but the interval should be more than one hour under the normal.

5-7.Recommended reflow condition:(Temperature chart)



5-7-1.The reflow condition recommended above is according to the machine used our company.Big differences will arise as result of the type of machine,reflow conditions,method,ETC,used. Hence,be fore setting up your reflow conditions,please confirm with the above.

5-7-2. Moreover,please clear all doubts with our company before starting.

Note:	Spec. No.: S-018-E0120
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