



CUSTOMER: 深圳市安品科研科技有限公司

DATE: July 24,2023

SPECIFICATION

DESCRIPTION: Aluminium Electrolytic Capacitors

AISHI P/N: ERS1KM471L25C36T

SERIES: RS

ITEM: $100 \text{ V} 470 \mu\text{F} (\Phi 16 \times 25)$

CUSTOMER P/N:

No.: CRS-JD-23070723

APPROVED BY

Please Return One Copy with Your Approval

PREPARED BY	CHECKED BY	APPROVED BY
陳 娟 技術中心	何 盼 技術中心	温建龍技術中心



● 变更记录 Change Records

编号 No.	更改原因 Explanation of changes	更改内容 Content	修订人 Reviser	生效日期 Effective date
CRS-JD-23070723				2023/07/24



CI	CUSTOMER 深圳市安品科研科技有限公司						SER	IES	R	s	DA	ATE			202	23/0	7/2	24
	PET Sleeve XeW5.0+0 L+ \alpha Max 3.6 \div 0.5																	
							TABLE-	1										
No.	Customer Part No.	Aishi Part No.	Capacitance (μF)	Tolerance on Rated Capacitance (%)	Rated Voltage (Vdc)	Surge Voltage (Vdc)	Operating Temp. Range	Tanδ (120Hz) (Max)	Leakage Current (µA)(2min.)	Max Ripple Current (mArms) at105 100kHz	Impedance (\(\O \))Max at 20 100kHz	Endurance at 105 (Hours)	Di ФD	imens	sions α	(mm	r) F	Appearance Drawing No.
1		ERS1KM471L25C36T	470	-20,+20	100	125	-40~+105	0.08	470	1640	0.05	10000	16	25	2	8.0	7.5	FIG-1



1 概述 SCOPE

RS

This specification covers "RS series" miniature single-ended aluminium electrolytic capacitors AISHI reserves the right of final interpretation for this technical specification.

2 参考标准 APPLICABLE SPECIFICATION

This specification consulted the institute of IEC 60384-1,IEC 60384-4,GB/T 2693 and GB/T 5993.

3 工作温度范围 OPERATING TEMPERATURE RANGE

Operating temperature range is the range of ambient temperature at which the capacitor can be operated continuously at rated voltage.

4 测试环境 CONDITION OF TEST

15 ~35 45%~75% 86kPa~106kPa

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows:

Ambient temperature 15 to 35 Relative humidity 45% to 75% Air pressure 86kPa to 106kPa

If there may be doubt on the results, measurements shall be made within the following limits:

Ambient temperature: 20±1

Relative humidity : 60% to 67% Air pressure : 86kPa to 106kPa

File Description	Approval Sheet							
Component P/N	RS Version 01 Page 1							
	STANDARD MANUAL							

5 产品特性 PRODUCT CHARACTERISTICS

5.1电气特性 Electrical Characteristics

序号 No.	项目 Item	测试方法 Test method	性能 Performance
5.1.1	Rated voltage	+ Voltage: DC voltage + peak ripple voltage Rated voltage	See TABLE-1
5.1.2	Capacitance	Measuring frequency: 120Hz±20% Measuring circuit: Series equivalent circuit Measuring voltage: 0.5Vrms or less +1.5 to 2.0 VDC	容量偏差: -20%~+20% Capacitance tolerance: -20%~+20%
5.1.3	Dissipation factor	Testing conditions are the same as 5.1.2 for capacitance.	DF 1 DF: See TABLE-1
5.1.4	Leakage current	The rated voltage shall be applied across the capacitor and its protective resistor shall be 1000±100Ω. The leakage current shall then be measured after an electrification period of schedule time. Measurement circuit: S1 Rs S2 Cx Rs: Protective resistor(1000±100Ω) DC ammeter DC voltmeter S1: Switch S2: Protective switch for an ammeter	6.3V~120V: I≤0.01CV或3μA, 取较大值(2分钟后) 6.3V~120V: I≤0.01CV or 3μA Whichever is greater(after 2 min) I: 漏电流(μA) C: 容量(μF) V: 额定工作电压(V) I: Leakage current(μA) C: Capacitance(μF) V: Rated voltage (V)

File Description		Approval Sheet						
Component P/N	RS Version 01 Page 2							
	STANDARD MANUAL							



		1	20±2		
		2	-25, -40 ⁺ 0° ℃	2h	
		3	20±2	15min.	Step 2: Impedance value ratio to the value at step 1 shall be not
		4	105 ⁺³ ℃	2h	more than the value given in TABLE-2. Step 4:
					Variation of capacitance Within ±20% of the initial value.
5.1.5	Temperature characteristic				
	Characteristic	Stop 1: C	apacitance and impe	odanco chall ho	
		measured	d. (z 20 120Hz±	20%);	
		hours,imp	fter the capacitor be pedance shall be me	asured at thermal	
			z -25, -40 120Hz	z \pm 20%); ng stored for 105 $$ 2	
		hours, ca	pacitance shall be ment shall be made	neasured. The	
					Capacitance change:Within \pm 20% of the initial value
			on of DC surge Volta	-	Dissipation factor: Not more than 200% of the specified value in TABLE-1.
			. 1000 times of charging with a period of 5	_	Leakage current: To satisfy No. 5.1.4.
		-	perature: 15 -35 apacitor shall be sto	ored under standard	
		atmosphe		ain thermal stability,	
		Test circu			
5.1.6	Surge test	1031 01100	iii.		
			+	$\stackrel{R}{\longrightarrow}$	
			ļ) _
			l DC Power	=	±+ cx R
			l <u>-</u>		
					taneous over voltage which may be applied to terminals r voltages as often applied.

File Description	Approval Sheet							
Component P/N	RS Version 01 Page 3							
	STANDARD MANUAL							



5.2 机械特性 Mechanical Performance

序号 No.	项目 Item				特性 Performance					
								When the capacitor is		
			0.45	0.5	0.6	0.8	1.0	measured, there shall be no intermittent contacts, or open		
			5	5	1	0	20	or short-circuiting.		
			,				,	There shall be no visible mechanical damage.		
5.2.1	Terminal		0.45	0.5	0.6	0.8	1.0			
0.2.1	strength		2.	.5		5	10			
		Tensile stre	ngth of termin	nal:						
		in the axial sec Bending structure Hang the sp the body the Next bend in the return to the	d (stated in a direction and ength of term pecified dead rough 90°, retain opposite to e original positis operation							
5.2.2	Resistance to vibration	3 orthogona Vibration fre Peak to pea	id duration of al directions nequency rang ak amplitude: :10 to 55 to 1	When the capacitor is measured there shall be no intermittent contacts, or open or short circuiting There shall be no visible mechanical damage.						
5.2.3	Solderability	Dipping time This specific	re of solder: 2 e: 2±0.5sec. cation shall b mospheric co	At least 90% of circumferential surface of the dipping portion of terminal shall be covered with new solder.						

File Description		Approval Sheet						
Component P/N	RS Version 01 Page 4							
	STANDARD MANUAL							



5.3 耐久性测试 Endurance Performance

序号 No.	项目 Item	测试方法 Test method	特性 Performance
5.3.1	Resistance to soldering heat	Solder bath method Solder bath temperature : 260±5 Immersion time : 10±1sec. Printed wiring board: 1.6mm	Variation of capacitance: Within ±10% of the initial value. Dissipation factor: Not more than the specified value in TABLE-1. Leakage current: To satisfy No. 5.1.4. Appearance: No remarkable abnormality.
5.3.2	Resistance to damp heat (steady state)	Test temperature: 40±2°C Test time: 240±8h Relative humidity: 90~95% After completion of test, the capacitor shall be subjected to standard atmospheric conditions for 1 to 2 hours, after which measurements shall be made.	Variation of capacitance: Within ±10% of the initial value. Dissipation factor: Not more than the specified value in TABLE-1. Leakage current: To satisfy No. 5.1.4 . Appearance: No remarkable abnormality.
5.3.3	Load life test	1. 105 2 , Application of the rated voltage and the rated ripple current, Test temperature:105 2 Testing time: refer to TABLE-1 life requirements.	Variation of capacitance: Within ±20% of the initial value.(6.3V,10V:±30%) Dissipation factor: Not more than 200% of the specified value Leakage current: Not more than the specified value in No. 5.1.4 . Appearance: No remarkable abnormality.

File Description	Approval Sheet							
Component P/N	RS Version 01 Page 5							
	STANDARD MANUAL							



		1000+48	
5.3.4	Shelf life test	The capacitors are stored without voltage load at $105\pm2^{\circ}$ for 1000^{+48} h and then resumed 16 hours.	Variation of capacitance: Within ±20% of the value before test. (6.3V,10V: ±30%) Dissipation factor: Not more than 200% of the specified value Leakage current: Not more than 200% of the specified value in No. 5.1.4. Appearance: No remarkable abnormality
5.3.5	Safety vent	以下试验只适用于铝壳直径≥Φ8产品。 The following tests only apply to those products with vent products at diameter≥Φ8 with vent. 在电容器两极施加反向直流电压,其中通过的电流为1A,在测试时防爆装置应能在30分钟内动作。 DC Application test: The capacitor shall be subjected to a reverse DC voltage. The current flowing through the capacitor shall be 1A. If the vent does work with the voltage applied for 30 minutes, the test is considered to be passed.	The safety vent is actuated under the test conditions, thereby preventing terminals, metal pieces, etc, of the capacitor from scattering due to burst, the case from separating from the seal packing, or the capacitor from producing flame.

※ TABLE-2: 阻抗比 Max. Impedance Ratio

Rated voltage (Vdc)	6.3	10	16	25	35	50	63	80	100	120
z -25 / z 20	4	3				2				3

※ TABLE-3:纹波电流频率因子 RIPPLE CURRENT FREQUENCY COEFFICIENT

Freq.(Hz)	120	1k	10k	100k
Cap.<220	0.40	0.75	0.90	1.00
220≤Cap.<680	0.50	0.85	0.94	1.00
680≤Cap.<2200	0.60	0.87	0.95	1.00
2200≤Cap.<4700	0.75	0.90	0.95	1.00
Cap. ≥4700	0.85	0.95	0.98	1.00

File Description	Approval Sheet						
Component P/N	RS Version 01 Page 6						
STANDARD MANUAL							



Ww

6 标记 MARKING

6.1 在电容器体上应注明如下内容:

AiSHi

RS 105℃

YyWw□PET (Yy

"Z Y J S"

☐ PET

--V--μF

6.1 The Following Items Shall Be Marked Indelibly On The Capacitor:

(1) Manufacture's name or trade mark.

(2) Series - rated temperature

(3) Date code- AIHUA code -sleeve material

∆iSHi

RS 105℃

YyWw□PET (Yy denotes last two digit of years and Ww

denotes the week in which the capacitor been manufactured,

□denotes the code of AIHUA, AIHUA code: " Z、Y、J、

S、W PET denotes the sleeve material)

(4) Voltage / Capacity

(5) Negative polarity

--V--μF

6.2 标记颜色 Color

Sleeve color: Violet Marking color: White

6.3: 纹波电流温度系数 RIPPLE CURRENT TEMPERATURE COEFFICIENT

105°C max.capacitors

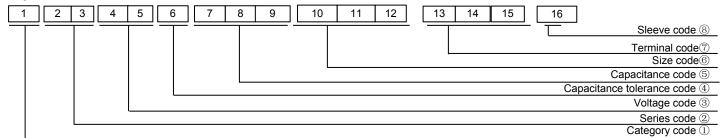
Capacitor ambient temperature	65℃以下	75 ℃	85℃	95℃	105℃
Guide limit of max.△Tx	25 ℃	20 ℃	15℃	10℃	5℃
Temperature coefficient(Actualrmsripple / Ratedrmsmax. ripple)	2.23	2	1.73	1.41	1.00

NOTE:Temperature coefficient is not used in life formula but for reference.

File Description	Approval Sheet					
Component P/N	RS	Version	01	Page	7	
STANDARD MANUAL						



7 物料编码 PART NO SYSTEM



①Category code

Tymo	Code
Туре	1th
Electrolytic Capacitor	E

②Series code

Series name	Code		
Series name	2th	3th	
RS	R	S	

③Voltage code

WV (V)		Code
VV (V)	4th	5th
4	0	G
6.3	0	J
10	1	Α
16	1	G J A C E V
25	1	Е
35	1	
40	1	G
50		Н
63	1	J
80	1	В
100	1	K B
120	2	
140	2	A C L D
160	2	С
180	2	L
200	2	D
220	2	N
250	2	Е
300	2	М
315	2	F
350	2	V
380	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	P G
400	2	G
420	2	T
450	2	W
500	2 2 2	H J
550	2	J

④Capacitance tolerance code

Tol.(%)	Code
101.(%)	6th
-10∼+10	K
-20~+20	M
-10∼+30	Q
-5∼+15	T
-10∼+20	V
0~+20	Α
-5∼+20	С
-20~-10	В
-5∼+5	D
0~+10	E
-20∼-5	F
-15∼+5	N
-20~0	G
-15~+15	Н

⑤Capacitance code

Con (uE)		Code	!
Cap (µF)	7th	8th	9th
0.10	R	1	0
0.22	R	2	2
0.33	R	3	3
0.47	R	4	7
0.68	R	6	8
1	0	1	0
1.5	1	R	5
2.2	2	R	2
3.3	3	R	3
4.7	4	R	7
5.6	5	R	6
6.8	6	R	8
8.2	8	R	2
10	1	0	0
12	1	2	0
15	1	5	0
18	1	8	0
22	2	2	0
33	3	3	0
47	4	7	0
56	5	6	0
68	6	8	0
82	8	2	0
100	1	0	1
150	1	5	1
220	2	2	1
330	3	3	1
470	4	7	1
560	5	6	1
680	6	8	1
820	8	2	1
1000	1	0	2
1500	1	5	2
2200	2	2	2
3300	3	3	2
4700	4	7	2
6800	6	8	2
40000	—	_	_

code
(:()() (

ΦD	Code		L	Code		
Ψυ	10th		L	11th	12th	
4	С	i	5	0	5	
5	D	i	7	0	7	
6.3	Е		9	0	9	
8	F		10	1	0	
10	G		11	1	1	
11	Н		12	1	2	
12	J		13	1	3	
12.5	W		14	1	4	
13	K		16	1	6	
14	Χ		20	2	0	
16	L		25	2	5	
18	М		30	3	0	
19	Z		31	3	1	
20	N		35	3	5	
22	0		40	4	0	
25	Р		45	4	5	
30	Q	i	46	4	6	
35	R		50	5	0	
40	Υ		60	6	0	
51	S		80	8	0	
63.5	T		100	Α	0	
76	U	Ī	115	В	5	
90	V		120	С	0	
		-	130	D	0	
			140	E	0	

200

⑦Terminal code

Specification	Code	Size				
Specification	13th	14th	15h			
Bulk packing	0	-	-			
编带Taping F=5mm (Ф4~Ф8)	Р	5	0			
Taping F=2.5mm (Φ4~Φ5)	X	2	5			
		5	0			
Tanad Chrainht		3	5			
Taped Straight- pack	В	2	5			
pack		2	0			
		1	5			
Lead Cut L=3.6mm	С	3	6			
Lead Cut L=11.0mm	С	В	0			
Lead Forming & cut L=4.5mm	F	4	5			
Kink & cut L=4.5mm	J	4	5			
Long lead wire (-30mm)	G	-	-			
Horizontal forming	L	G	1			

⊕ OICCVC	Ocice ocice								
Sleeve	Code								
	16th								
PVC	С								
PET	Т								

0

3

10000

22000

33000 68000

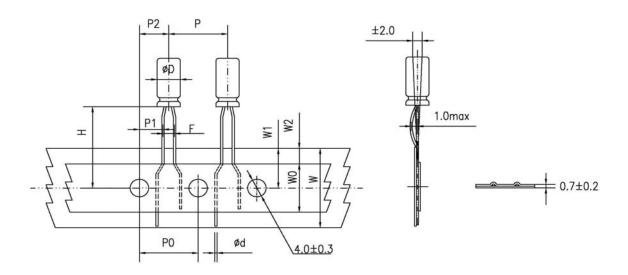
File Description			Approv	al Sheet					
Component P/N	RS Version 01 Page 8								
	STANDARD MANUAL								



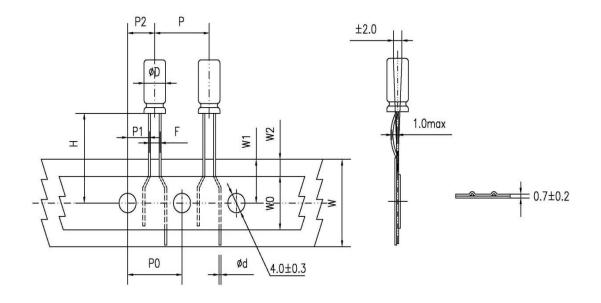
8 加工型式 LEAD FORMING TYPE

8.1 编带 Taping

PIN Code: X ΦD=4~5



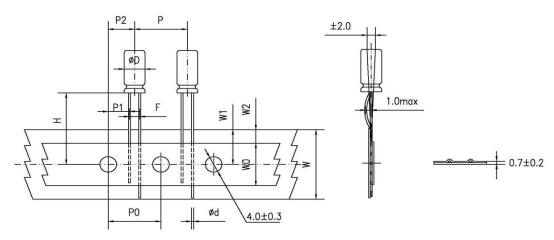
PIN Code: B ΦD=4~8



File Description		Approval Sheet							
Component P/N	RS Version 01 Page 9								
STANDARD MANUAL									



PIN Code: B ΦD=10~12.5



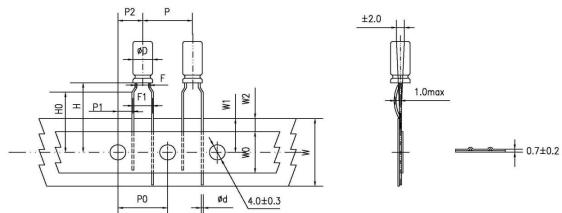
DIMENSIONS(mm)

									CASE SIZ	ZE				
Items	Symbol	4x 4x		5x 5x			x11 x12	6.3x5	6.3x7 6.3x9 6.3x11 6.3x12	8x5 8x7 8x11 8x12	8x16 8x20	10x12 10x13 10x16 10x20	12.5x16 12.5x20	Tolerance
Lead forming symbol		Х	В	Х	В	Х	В	В	В	В	В	В	В	
Lead-wire diameter	Фd	0.4	15	0.4	1 5	C).5	0.45	0.5	0.45/0.5	0.5/0.6	0.6	0.6	±0.05
Pitch of componet	Р	12	.7	12	.7	1	2.7	12.7	12.7	12.7	12.7	12.7	15.0	±1.0
Feed hole pitch	P0	12	.7	12	.7	1	2.7	12.7	12.7	12.7	12.7	12.7	15.0	±0.2
Hole center to lead	P1	5.1	5.6	5.1	5.4	5.1	5.4	5.1	5.1	4.6	4.6	3.85	5.0	±0.7
Hole center to component	P2	6.3	35	6.3	35	6	.35	6.35	6.35	6.35	6.35	6.35	7.5	±1.0
Lead to lead distance	F	2.5	1.5	2.5	2.0	2.5	2.0	2.5	2.5	3.5	3.5	5.0	5.0	±0.5
Height of component from tape center	Н	18	.5	18	.5	1	8.5	18.5	18.5	18.5	18.5	18.5	18.5	±0.75
Tape width	W	18	.0	18	.0	1	8.0	18.0	18.0	18.0	18.0	18.0	18.0	±0.5
Hold down tape width	W0	11	.0	11	.0	1	1.0	11.0	11.0	11.0	11.0	11.0	11.0	min
Feed hole position	W1	9.	0	9.	0	ç	9.0	9.0	9.0	9.0	9.0	9.0	9.0	+0.75 -0.5
Hole down tape position	W2	1.	5	1.	5	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	max

File Description		Approval Sheet							
Component P/N	RS Version 01 Page 10								
	STANDARD MANUAL								



PIN Code: P ΦD=4~8



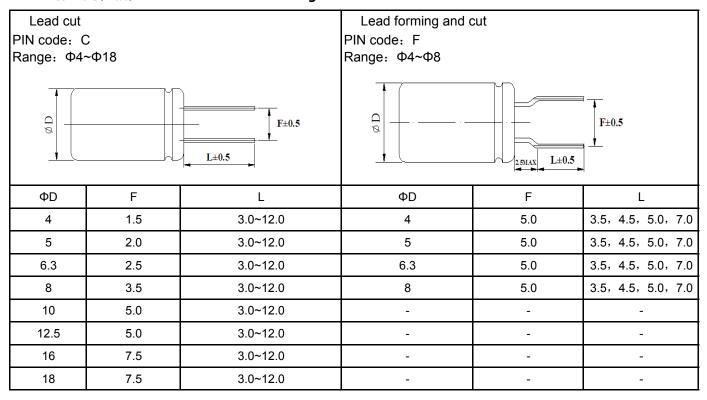
DIMENSIONS(mm)

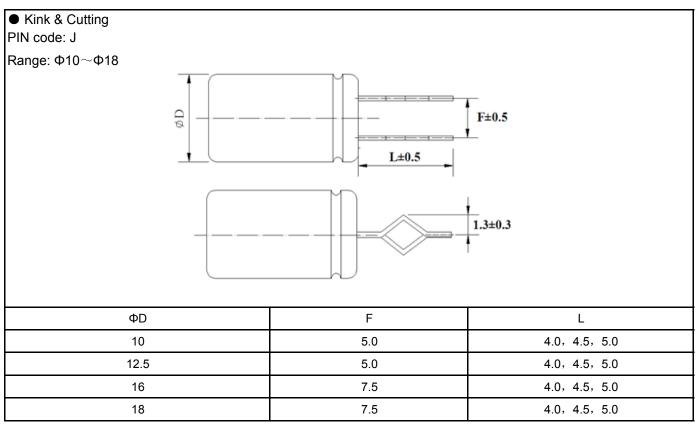
						Case Si	se				
Items	Symbol	4x5 4x7	5x5	5x7	5x11	6.3x5	6.3x7	6.3x11	8x5 8x7 8x11 8x12	8x16 8x20	Tolerance
Lead forming symbol		Р	Р	Р	Р	Р	Р	Р	Р	Р	
Lead-wire diameter	Фd	0.45	0.45	0.45	0.5	0.45	0.5	0.5	0.45/0.5	0.5/0.6	±0.05
Pitch of componet	Р	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	±1.0
Feed hole	P0	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	±0.2
Hole center to lead	P1	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	±0.7
Hole center to component	P2	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	±1.0
Lead to lead distance	F	1.5	2.0	2.0	2.0	2.5	2.5	2.5	3.5	3.5	±0.5
Lead to lead distance	F1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	±0.5
Height of component from tape center	Н	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	±0.75
Lead-wire clinch height	H0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	±0.5
Tape width	W	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	±0.5
Hold down tape width	W0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	min
Feed hole position	W1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	+0.75 -0.5
Hole down tape position	W2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	max

File Description			Approval Sheet							
Component P/N	RS Version 01 Page 11									
STANDARD MANUAL										



8.2 端子切脚或成型 Lead Cut& Lead Forming





File Description			Appro	oval Sheet					
Component P/N	RS Version 01 Page 12								
	STANDARD MANUAL								



9 包装PACKING

包装标签内容 Label on the packaging box or bag (The following items shall be marked on the label) (Inside box or bag):

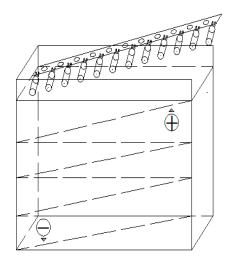
Series

P/N

Rated capacitance

Rated voltage

编带产品按下图包装 Taped Packing



散包装按下图包装方式 Bulk Packing





carton

inner box

File Description		Approval Sheet							
Component P/N	RS Version 01 Page 13								
	STANDARD MANUAL								



10 其它说明 OTHER REMARKS

10.1铝电解电容器使用注意事项

Important Information On The Application Of Aluminium Electrolytic Capacitors

1 直流铝电解电容器应按正确的极性使用 DC aluminium electrolytic capacitors are normally polarized

When reverse voltage is applied on DC aluminium electrolytic capacitor the circuit will be short out and the capacitor will be damaged due to abnormal current flows through the capacitor. Please use non-polar types of capacitors the positive voltage is applied on the cathode terminal.

2 在额定工作电压以下使用 Use capacitor within rated voltage

When capacitor is used at higher voltage than the rated voltage, leakage current may increase and characteristics may be deteriorated and damaged in a short period. Please take extra caution that the peak voltage should not exceed the rated voltage.

3 作快速充放电使用 Sudden charge and discharge

When aluminium electrolytic capacitors for general purpose-use are employed in rapid charge and discharge its life may be shortened resulted from capacitance decrease, heat rise, etc.

4 电容器储存 Storage of the capacitor

We recommend the following conditions for storage: Ambient temperature: 5~35 ,Ambient humidity: 75%RH;

If storage life 12 months, the products need to be charged again before using: If storage time three years, the products need to be discarded; Expiry date: calculating from the date marked on the sleeve;

Please keep capacitors in the original package;

Avoid storing the capacitors under such circumstances:

With water and oil or damp & dewing location

With toxic gases such as hydrogen sulfide, sulfurous acid, nitrous acid, chlorine, bromine and methane

Leakage current tends to increase when capacitors have been stored for long period of time. The higher storage Temp.rise, the higher leakage current increase. Please take caution when selecting the storage location. The leakage current will decrease gradually as voltage is applied to the capacitor. The capacitor is subjected to aging before using where increased leakage may cause problems in the circuit.

5 施加纹波电流应小于额定值 Use capacitor within rated ripple current

If excessive ripple current is applied on the capacitor, excessive heat will be generated inside, the capacitance be reduced and capacitor's life shall be shortened. Rated voltage has been marked on the capacitor; therefore, the peak value of the ripple voltage should be less than the rated voltage.

File Description		Approval Sheet							
Component P/N	RS Version 01 Page 14								
STANDARD MANUAL									



6 使用环境温度 Ambient temperature

Life of aluminium electrolytic capacitor is affected by the ambient temperature. It is generally known that the life doubles for each decrease in temperature.

7 引出线强度 Tensile strength of lead wire

When a strong force is applied to the lead wires or terminals, stress is put on the internal connections, which may result in short circuit, open circuit or leakage current increase. Therefore it is not advisable to bend or handle a capacitor after it has been to the PC board.

8 焊接过程耐热性 Heat resistance at the soldering process

During soldering process, secondary shrinkage or sleeve crack may occur when soldering temperature is too high or soldering time is too long.

9 电路板的安装孔孔距及安装位置 Hole pitch and position of PC board

When designing a PC board, its hole pitch should be designed to coincide with the lead pitch(lead spacing) of the specified in the catalog or specifications. When a capacitor is forcibly inserted into an unmatched hole pitch, a will put on the leads and which could result in a short circuit or increased leakage current.

10 关于焊接以后的清洗 Cleaning after soldering

The aluminium electrolytic capacitors should be free of halogenated solvents during board cleaning after soldering. Use solvent proof capacitors when halogenated solvents are used.

After cleaned with the solvent which can guarantee the quality of capacitors, the capacitors should not be kept in solvent environments of non-ventilated places. Let the capacitors after cleaning dry with hot blast fully above 10 mins and the temperature of hot blast should not be over than specified upper limit of that of capacitors.

(11) 关于固定剂、镀层(涂层剂)以及PCB Concerning adhesives、coating materials(coating agent) and PCB.

Do not use halogen-containing adhesives, coating materials(coating agent) and PCB to fix aluminum electrolytic capacitors.

Do not cover up all the sealing area of capacitors with adhesives or coating materials(coating agent), make coverage only partial.

12 符合 RoHS RoHS Compliance

Completely in accordance with the latest standard of RoHS or relevant agreements reached by both parts if customer has special requirements.

File Description	Approval Sheet				
Component P/N	RS	Version	01	Page	15
STANDARD MANUAL					