深圳市弗瑞鑫电子有限公司

规格承认书

prepare	
check	
approve	

TRX电容一级代理商

深圳市弗瑞鑫电子有限公司

Add:深圳市宝安区西乡大道302号金源商务大厦B座3楼

Tel:0755-29563634

Fax:0755-27447020

1/

/Rec g ed ec f ca

CODE	CUSTOMER P.N.	TRX P.N.	P d c de c	Pac age c de
1	/	TBY2220KSL	SMD-Y2SL220K/AC300V	4335
2	/	TBY2470KSL	SMD-Y2SL470K/AC300V	4335
3	/	TBY2680KB	SMD-Y2Y5P680K/AC300V	4335
4	/	TBY2101KB	SMD-Y2Y5P101K/AC300V	4335
5	/	TBY2221KB	SMD-Y2Y5P221K/AC300V	4335
6	/	TBY2331KB	SMD-Y2Y5P331K/AC300V	4335
7	/	TBY2471ME	SMD-Y2Y5U471M/AC300V	4335
8	/	TBY2681ME	SMD-Y2Y5U681M/AC300V	4335
9	/	TBY2102ME	SMD-Y2Y5U102M/AC300V	4335
10	/	TBY2152MF	SMD-Y2Y5V152M/AC300V	4335
11	/	TBY2222MF	SMD-Y2Y5V222M/AC300V	4335
	SL CLASS I Y5P/Y5U/Y5V CLASS II			

2/

- 2.

. :

Y2

S ec f ca a d de de c f Y2 AC ce a c f ed ca ac :

T.C	22	47	68	100	220	330	470	680	1000	1500	2200
SL											
2B(Y5P)											
2E(Y5U)											
2F(Y5V)											
U_R	300V.ac										
O e a g Te e a e	-40 125										
C a c ca eg	40/ 125/ 21										

1000V 100H

Ab Y AC ce a c f ed ca ac ac edge e ec f ca de c :

Y a.c. ce a c ca ac a e ed e ec ca a d e ec c e e a d c ec ed a a.c. a h a age e ceed g 1000 a.c, a d h a a f e e c e ceed g 100H .

/CONTENT

1. P d c Na e ----------5
2. P d c a g ----------5-6
3. Da e c de ----------6
4. Ce f ca e ----------7
5. P d c c e ----------7-8
6. S de g c d ----------8-9
7. Pe f a ce a d e e h d ----------9-14
8. Ca ac e e a e cha ac e c ----------14
9. C e f c a d ha f b a ce c e e e ----------15
10. S age c d ----------15
11. P d c Pac g ----------16-17
12. A ca e ----------18

1. /

_ _ **2** **102** _ _
① ② ③ ④ ⑤ ⑥

N . C de E a a

TL

① T

/	
TRX	/ eg e ed ade a / b a d
TL	SMD-Y2 SMD-Y2 e e
E	/ c de f D e ec c SL / B(Y5P) / E(Y5U) / F(Y5V)
102	/ Ca ac a ce (22-2200 F : 220-222)
M	/Ca ac a ce e a ce K(± 10%)/M(± 20%)
X1 440V	X1 X1 c a a ed age
Y2 300V	Y2 Y2 c a a ed age
M0512	Da e c de

3. /

c de f ea				c de f h		c de f da			
ea	c de	ea	c de	h	c de	da	c de	da	c de
		2020	M	1	01	1	01	16	16
		2021	N	2	02	2	02	17	17
2010	A	2022	P	3	03	3	03	18	18
2011	B	2023	R	4	04	4	04	19	19
2012	C	2024	S	5	05	5	05	20	20
2013	D	2025	T	6	06	6	06	21	21
2014	E	2026	U	7	07	7	07	22	22
2015	F	2027	V	8	08	8	08	23	23
2016	H	2028	W	9	09	9	09	24	24
2017	J	2029	X	10	10	10	10	25	25
2018	K			11	11	11	11	26	26
2019	L			12	12	12	12	27	27
						13	13	28	28
						14	14	29	29
						15	15	30	30
								31	31

20

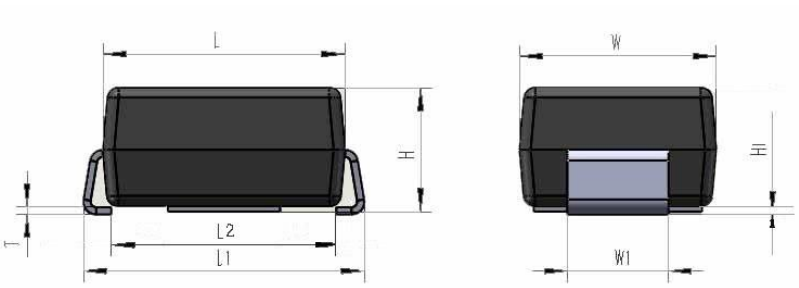
N e: he ea c de e ea ce e e 20 ea f a e- ee e d.

4. /

Ce f ca	S a da d be	Ce f ca e be	Ce f ed age
UL/CUL	UL/CSA 60384-14	E315719	AC300V(. . .)
CQC	GB/T6346.14-2015	CQC20001280609	AC300V(. . .)
ENEC	EN 60384-14:2013/A1:2016	ENEC-03177	AC300V(. . .)
KC	K60384-14	HU03034-21003A	AC250V(. . .)

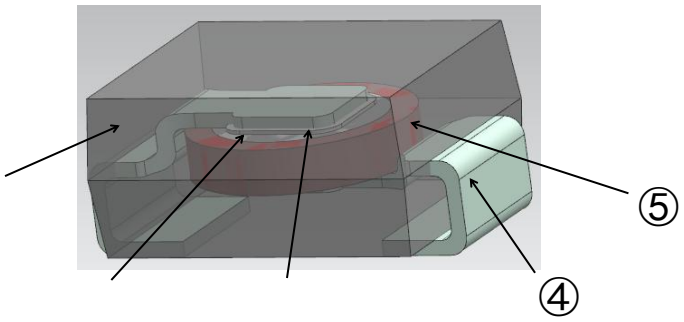
5. /

5.1 /P d c D e



P d c D e ( )			
L	4.3 0.1	W	3.5 0.3
L1	5.0 0.1	L2	4.0 0.1
H	2.2 0.1	W1	1.8 0.05
H1	0.1 0.05	T	0.13 0.02

5.2 /P d c c e

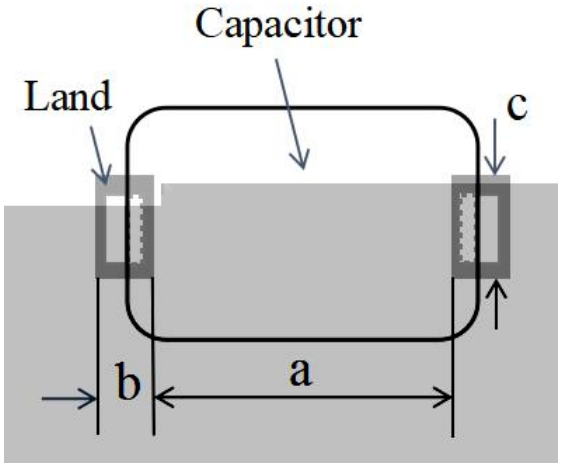


N .	Pa a e	Ma e a
①	C a g	(UL94V-0) E d g c d (UL94V-0)
②	E ec de	/ S e /C e
③	S de	S -Pb-Ag S -Pb-Ag S de
④	Lead P	T ed c e
⑤	D e ec c	Ce a c

5.3 /S de Pad d e

a

The ec e ded de ad d e f ef de g a e a f . "a" e e he c ee age d a ce e ed b he afe a da d a ed e e .



Pac age D e	a( )	b( )	c( )
4.3 3.5	4.0	2.2 0.1	3.2 0.1

6. /

6.1 /Ref S de g

Whe de g ca ac , h d be e f ed f g c d .

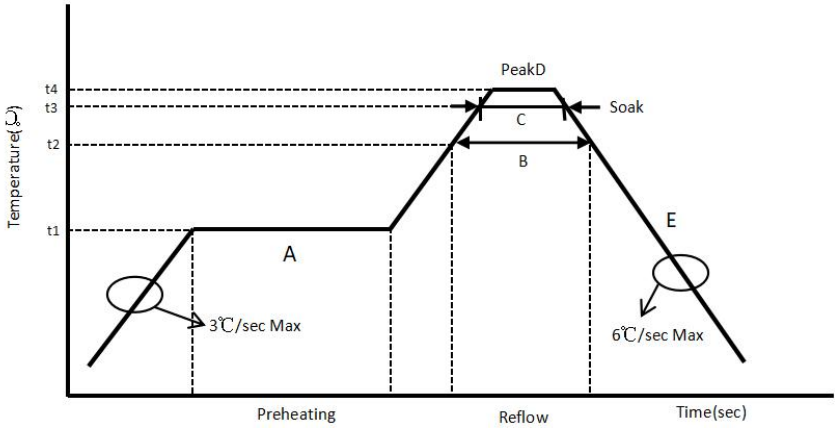
280 。
S de g e e a e 280℃ a .

30 。
S de g e 30 a .

200 。
P ehea g e e a e 200 a .

180 。
P ehea g e 180 a .

Te e a e c e f Ref S de g



1	175 25	A P ehea g A	120 60
2	215 10	Ref B	110 20%
3	230 10	C S a C	30 20%
4	275 5	D Pea D	20 10

6.2 /F S de g

Whe de g ca ac , h d be e f ed f g c d .

280 。
S de g e e a e 280℃ a .

30 。
S de g e 30 a .

200 。
P ehea g e e a e 200 a .

180 。
P ehea g e 180 a .

6.3 /S de g I
PCB/PWB

Whe de g h d c a PCB/PWB, d e ceed he de hea e a ce ec f ca f he ca ac . S b ec g h d c e ce e hea g c d e he e a c de a d a e he a h c ha ca c ac he ce a c e e e .

Whe de g ca ac h a de g , h d be e f ed f g c d .

400
Te e a e f - 400 a .

50
S de g a age 50W a .

5
S de g e 5 a .

7. /

NO	I e	S ec f ca	e e h d
1	A ea a ce	N b e da age Leg b e a g Lead da a d face h d e .	a ded e e ag f e
2	D e	5.1 See 5.1 f de a	U g ca e a d c e e

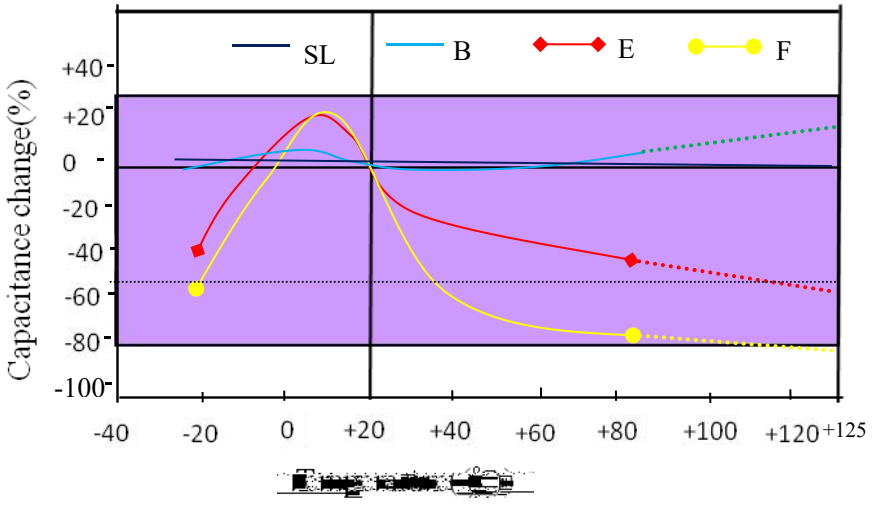
NO	I e	S ec f ca e e h d

3 V

NO	I e		S ec f ca	e e h d
8	Re a ce de g hea	a e a a	b e da age	150 180 C 90 30 P ehea he ca ac a 150 180 C f 90 30 . /Ref e . : 230 C-260 C /Ref e : 60 ± 15 . /Ref be f e :4 e 15--35 45--75%RH 24 2 Le a 15-35 , 45-75% RH c d f 24 2 h, he ea e. The e ef ce h d be d e af e he e e a e f he a e ha d ed e e a e.
		age f	NO.3 Pa he e NO.3	
		Ca ac a ce	SL: ± 10% Y5P: ± 10% Y5U: ± 20% Y5V: ± 20%	
		D.F.	SL: ≤ 1.0% Y5P: ≤ 2.5% Y5U: ≤ 2.5% Y5V: ≤ 2.5%	
		I.R.	NO.7 Pa he e NO.7	
9	S de ab		(90%) 3 G d c a g (a e ab e 90%), h 3 f c e ge ce.	(JIS K 8101) (JIS K 5902) (25%) ( ) I e e he ca ac he f e ha (JIS K 8101) a d (JIS K 5902) (25% e gh). (Refe e ce) 2 0.5 I e e de f 2 0.5 . Te . f de : 245 10 C
10	Te e a e c c e	a e a a	N b e da age	e ca eg e e a e : +125 3 e ca eg e e a e : -40 3 / be f c c e : 5 d a f e e a he e e a e 30 25 3 24 2 Ca ac ha be aced a 25 3 f 24 2h bef e a ea e e .
		age f	NO.3 Pa he e NO.3	
		Ca ac a ce cha ge	SL: ± 10% Y5P: 10% Y5U: 20% Y5V: 20%	
		D.F.	SL: 1.0% Y5P: 2.5% Y5U: 2.5% Y5V: 2.5%	
		I.R.	NO.7 Pa he e NO.7	

NO	I e	S ec f ca	e e h d
16	C e e Re a c	N b e da age. NO.3 NO.7 Pe f a ce acc d g N .3 N .7	:30 ± 5% 70 ± 5% S e be ed: 30 ± 5%a c h a d 70 ± 5%f a c d /S e e e a e: 23 5 5 ± 0.5 The ca ac ha be e ged e f 5 0.5 ec d . /Rec e e: 8h
17	S e e a ce f he a g	The a g ha be eg b e	:30 ± 5% 70 ± 5% S e be ed: 30 ± 5%a c h a d 70 ± 5%f a c d /S e e e a e: 23 5 5 ± 0.5 10 The ca ac ha be e ged e f 5 0.5 ec d a d a ha be ed h edge f 10 e .

8. /



9. /

R HS2.0 2011/65/EU

ha ge

REACH N 190 7/2006

. .

S b a ce	c ce a (:)
/Cad a d cad c d	<100
/Lead a d ead c d	<1000
/Me c a d e c c d	<1000
/He a a e ch c d	<1000
PBBS/P b a ed b he	<1000
PBDES/P b a ed d he e he	<1000
+ + + /Cd+Pb+ Hg + C +6(ac g a e a)	<100
/C	<900
/B	<900
+ /C +B	<1500
REACH SVHC S b a ce f Ve H gh C ce (SVHC) f REACH	TRX REACH The a e each e f TRX ha e a

10. /

(1).

The a g E ded ca ac d e f a e fec ea ; he ef e, d e e ca ac a c e a he e, e ec a he e ch de ga , f de ga . ac d, a a , a he e a e e e . A d a d e e e. S , de a d he ab f e, ca ac a e ac ed e- f e e e.

(2). 12

S e he ca ac he f g c d a a e , a d e h 12 h af e de e ed.

/Te e a e: 10 30

/H d : 60% a .

(3). 168

S de he e c ed ca ac h 168 h af e e g he e- f ac age. Af e e g, e he ca ac e- f ac age h a de cca a d HIC ca d a d ee he ab e c d .

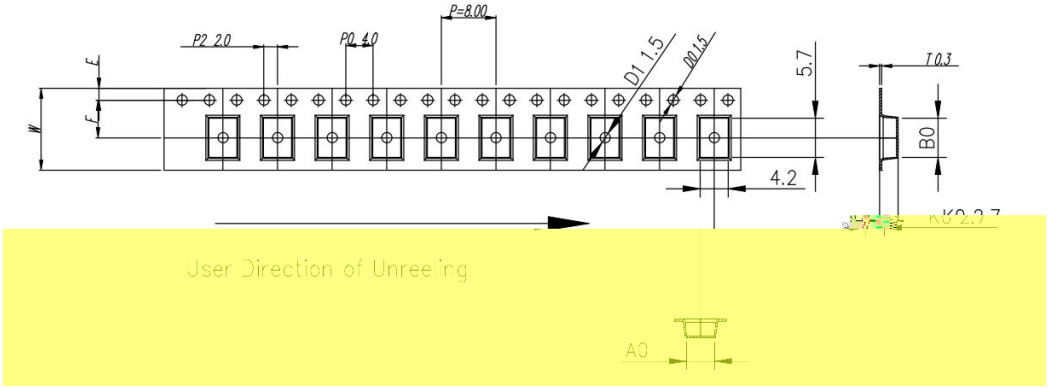
(4). 6

60 × 168

I ca e he age e d ha bee e ceeded 6 h he d ca c f a e c ed HIC ca d ha cha ged he he ac age ha bee e ed, e f ba g (60 168h)bef e de g.

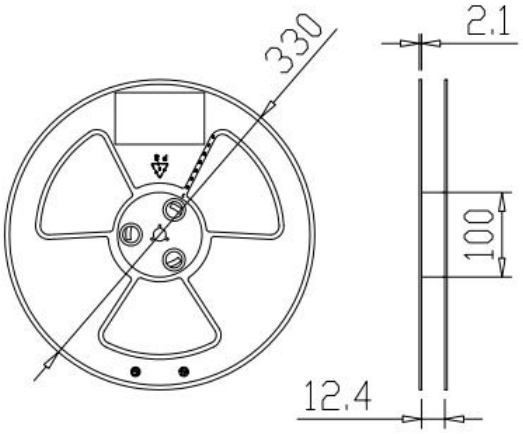
11. /

11.1 /D e f a e



ITEM	W	A0	B0	K1	K0	P	F	E	D0	D1	P0	P2	T
DIM	12.0 +0.30 −0.30	4 [illegible]	5.70 +0.10 −0.10	-- +0.10 −0.10	2.70 +0.10 −0.10	8.00 +0.10 −0.10	5.50 +0.10 −0.10	1.75 +0.10 −0.10	ø 1.5 +0.10 −0.00	ø 1.5 +0.10 −0.10	4.0 +0.10 −0.10	2.0 +0.10 −0.10	0.30 +0.05 −0.05
ALTERNATE													

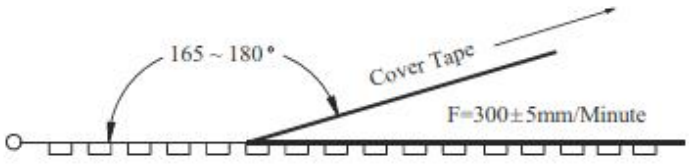
11.2 /D e f Ree



REEL	REEL SIZE
3000 c	13 ch

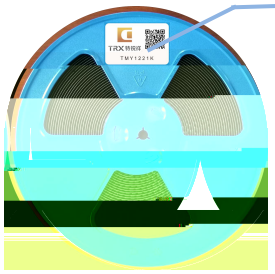
11.3 /Pee g ff f ce

Item	Data	Remark
Cover tape adhesion	10～100g	Carrier tape and cover tape open angle 165～180° F=300± 5mm/minute



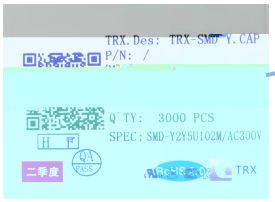
11.4 /P d c Pac ag g Sche e

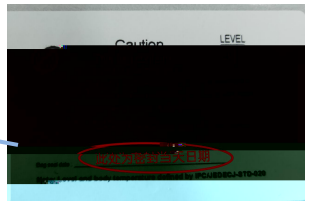
/ -



/Ree S e: 13 ch
3.0KPCS/Ree

/I e d c abe

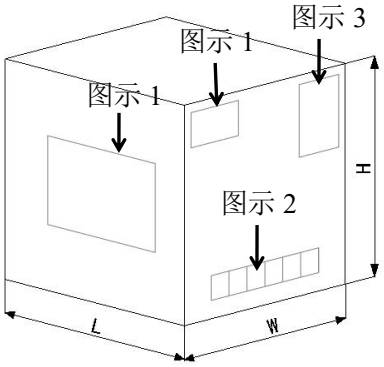




/P d c f a abe /Labe Sea ed bag /H d e e abe

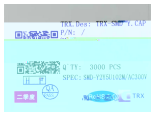
/I e	
TRX.De	
P/N	
Mf	
D/C	
L .N	
Q TY	
SPEC	

/ -



图示 1/F g e 1

图示 2/F g e 2



图示 3/F g e 3

( ) D e			Q a	O B We gh
L	W	H	45KPCS	≈ 10.0KG
355	358	294		

/ :

/O B

15 / /15Ree /B

(/ /)
Pa e S e(L/W/H)
1100*1100*90

(/ /)
S ac g e(L/W/H)
1100*1100*1600

1. “ 5 ” 5 2. PALLET & WRAPPING
3. 50c 4. /
:1.The 5 he ac g ac ed a e ca ' e ha 5 a e ; 2. Pa e ac ag g & g-d a ce a h d be a g; 3.50 c ab e he he gh f he a ce d d ; 4. N a e e a e / h d ee g.

12. /

①.

A e d a he fac ha e e f he age f e b he e a da age he ca ac .

②. PCB PCB

PCB

Ca ac e c ace aa e