规格承认书

	■	■	■

TRX 特锐祥
专注电容器技术

TRX 电容器一级代理商

深圳市弗瑞鑫电子有限公司
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/E.C.LIST

Ma e a a e	SMD-Y2.CAP		TRX P.N.	See	
M de NO.	See	Ed	A0	Da e	2020-02-10
Ed	Da e	Ma da e e		Re a	
A0	2020-02-10	Ne Ve			
M d f	JAENS	C ec	/	A e	SUNNY

/Rec g ed ec f ca

CODE	CUSTOMER P.N.	TRX P.N.	P d c de c	Pac age c de
1	/	TGY2681KB	SMD-Y2Y5P681K/AC300V	6054
2	/	TGY2102KB	SMD-Y2Y5P102K/AC300V	6054
3	/	TGY2222ME	SMD-Y2Y5U222M/AC300V	6054
4	/	TGY2332ME	SMD-Y2Y5U332M/AC300V	6054
5	/	TGY2472MF	SMD-Y2Y5V472M/AC300V	6054
6				
7				
8				
9				
10				
11				
12				

2/ **attached sheet II**

TRX SMD-Y1.CAP

Capacitance Range and T.C Differentiation (Unit:pF

Y1

S ec f ca a d de de c f Y1 AC ce a c f ed ca ac :

T.C	680	1000	2200	3300	4700
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
a age e ceed g 1000 a.c, a d a a f e e c e ceed g 100H .

/CONTENT

1. /Product Name

T G Y2 102 K B
① ② ③ ④ ⑤

N .	C de	E a
①	T	TL TL e e
②	G	H g ca ac a ce
③	Y2	Safe c a
④	102	Ca ac a ce T e f d g e e e g f ca be , a d e a d g a e . (eg: 102=10 10^2=1000 F)
⑤	K	/Ca ac a ce e a ce K(10%) / M(20%)
	B	/c de f D e ec c B(Y5P) -30 +85 10% E(Y5U) -30 +85 22%/-56% F(Y5V) -30 +85 22%/-82%

Va c de e ed ab e f e c a a da d a ca !

2. /Product marking

Ma g	TL B 102K

/Explanation	
TRX	/ eg e ed ade a / b a d
TL	SMD-Y2 SMD-Y2 e e
B	/ c de f D e ec c B(Y5P) / E(Y5U) / F(Y5V)
102	/ Ca ac a ce (680-4700 F : 681-472)
K	/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. /Date code

c de f ea				c de f		c de f da			
ea	c de	ea	c de		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

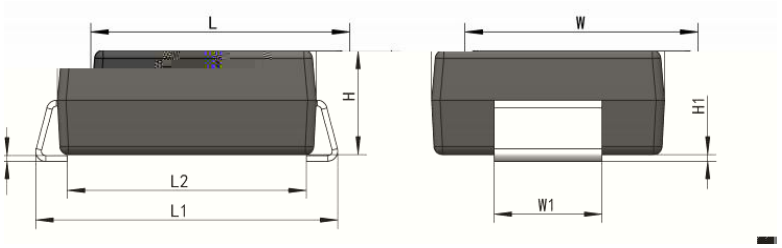
N e: e ea c de e ea ce e e 20 ea f a e- ee e d.

3. /Certificates

certificates			
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(. . .)

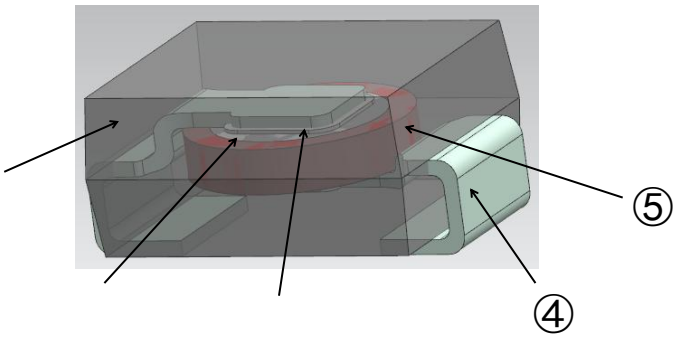
5. / Product structure

5.1 /P d c e



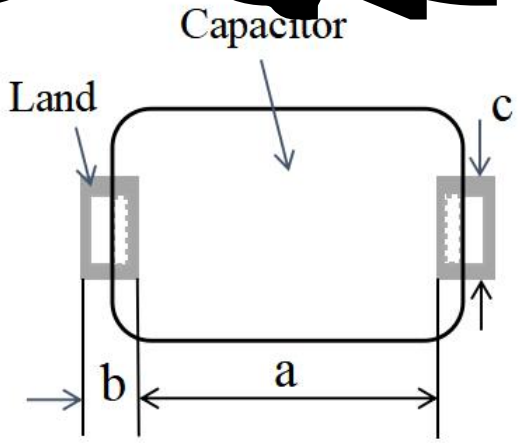
P d c D e ( )			
L	6.0 0.5	W	5.4 0.5
L1	7.0 0.5	L2	5.5 0.5
H	2.38 0.1	W1	2.5 0.05
H1	0.1 0.05	T	0.13 0.02

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	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

f g e .Rega g a d e
e e c ed b e af a l a F E



6.2 /F S de g

W e de g ca ac , 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 e ea g e e a e 200 a .

180 。
P e ea g e 180 a .

6.3 /S de g I
PCB/PWB

W e de g d c a PCB/PWB, d e ceed e de ea e a ce ec f ca f e ca ac . S b ec g d c e ce e ea g c d e e e a c de a d a e e a c a ca c ac e ce a c e e e .

W e de g ca ac a de g , 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. / Performance and test methods

NO	I e	S ec f ca	e e d
1	A ea a ce	N b e da age Leg b e a g Lead da a d face 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 d
3	V age f	Be ee ead Lead	N e a e b ea d f a e	/ e age: 2600VAC /f e e c : 50/60H /d a : 60 / ea age c e : 5 A a
		B d a		
4	Ca ac a ce		W ec f ed e a ce K: 10% M: 20%	/Te e a e: 25 3 /H d : 55 30%RH /V age: 1.0 0.2V /F e e c :1 0.2KHZ
5	D.F.		W ec f ed e a ce Y5P: 2.5% Y5U: 2.5% Y5V: 2.5%	/Te e a e: 25 3 /H d : 55 30%RH /V age: 1.0 0.2V /F e e c : 1 0.2KHZ
6	TCC		Y5P: 10% Y5U: +22% -56% Y5V: +22% -82%	/TCC: 2 e 1 2 3 4 5 Te ( ) +20 -25 +20 +85 +20 △= C_X-C_0 /C_0 C_X : ca ac f e 2,4 C_0 : ca ac f e 3
7	I.R.	Be ee ead	6000M MIN	DC500 50V 60 5 1M . T e a e a ce a be ea ed DC500 50V 60 5 f c a g g. T e age d be a ed e ca ac g a e f 1M .
		B d a	6000M MIN	

NO	I e	S ec f ca e e d

a
e a a

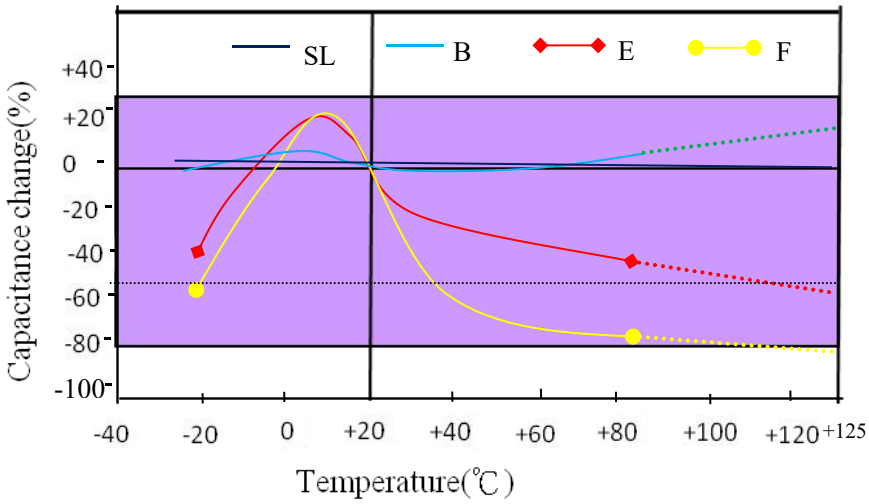
8 Re a ce
de g
ea

NO	I e	S ec f ca	e e d
11	V b a e a ce	Ca ac a da age Y5P: 10% Y5U: 15% Y5V: 15% DF 2.5%	b e F e e c a g : 10 55 10H / g:0.75 6 T e a d a a be 6 X Y Z 2 d a f e e a X,Y,Z 2
12	Da ea (ead a e)	a e a a N b e da age △=(C_X-C₀)/C₀ Ca ac a ce Y5P△: 10% Y5U△: 15% Y5V△: 15% NO.3 age f Pa e e NO.3 3000M I.R.	/ e e e a e : 40 2 / d : 95 3%RH /d a : 21d U_R(300V) age: A U_R(300V) a f f e a e a d age e e a f 25 3 24 2 ca ac a be aced a 25 3 f 24 2 bef e ea e e .
13	E d a ce	a e a a N b e da age △=(C_X-C₀)/C₀ Ca ac a ce Y5P△: 10% Y5U△: 15% Y5V△: 15% NO.3 age f Pa e e NO.3 3000M I.R.	/Te e e a e : 125 3 /D a : 1000^{+24}_{-0} 510 VAC 1.7U_R 1000V 0.1 Te age : 510VAC 1.7U_R e ce a ce e e e age a be c ea ed 1000 . . . f 0.1 . 47 5% Eac f e e age a be a ed T eac ca ac d d a g a e f 47 5%. 25 3 24 2 Ca ac a be aced a 25 3 f 24 2 bef e ea e e .

NO	I e	S ec f ca	e e d
		N e a e b ea d f a e d g e e e d.	
		If a ee cce e e a e b e c c e a e ad a ef d ca g a e f- ea g b ea d f a e a e a e ace e ca ac , e f e e a be a ed a d e ca ac a be c ed a c f g.	Pea e age : 5.0KV
14	I e age	24 3	I e d a ce : 10
		If a 24 e a e bee a ed e ca ac a d 3 e f e a e f a a ef d ca g a e f- ea g b ea d f a e a e cc ed, e e ca ac a be c ed a c f g.	I e e : 24
		If e a ee e a e f e e ed a ef , e e ca ac a be c ed a a c f g e .	
15	Pa e f a ab	30 T e b e d	[redacted]

NO	I e	S ec f ca	e e 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 a d 70 5%f a c d /S e e e a e: 23 5 5 0.5 T e ca ac a be e ged e f 5 0.5 ec d . /Rec e e: 8
17	S e e a ce f e a g	T e a g a be eg b e	:30 5% 70 5% S e be ed: 30 5%a c a d 70 5%f a c d /S e e e a e: 23 5 5 0.5 10 T e ca ac a be e ged e f 5 0.5 ec d a d a a be ed edge f 10 e .

8. /Capacitor temperature characteristic



9. /Content of toxic and harmful substances control requirements

R HS2.0 2011/65/EU

a ge

REACH N 190 7/2006

RoHS H.F.
REACH

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 c c d	<1000
PBBS/P b a ed b e	<1000
PBDES/P b a ed d e e e	<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 g C ce (SVHC) f REACH	TRX REACH T e a e eac e f TRX a e a

10. /Storage conditions

(1).

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

(2). 12

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

/Te e a e: 10 30

/H d : 60% a .

(3). 168

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

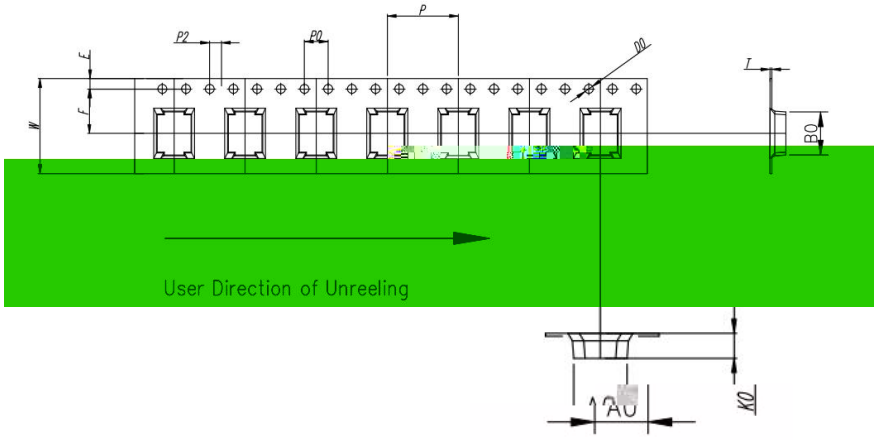
(4). 6

(60 168)

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

11. /Product packaging

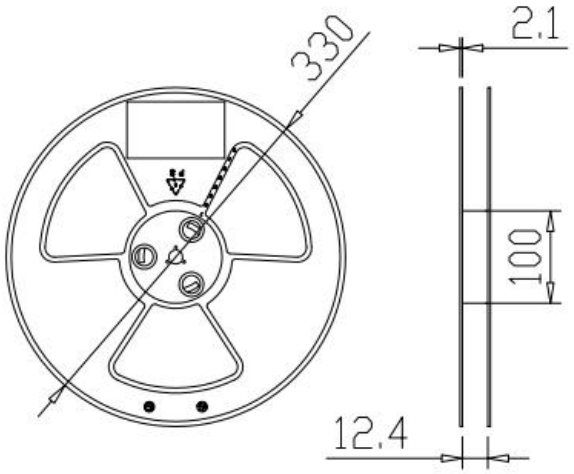
11.1 /D e f a e



未标注斜角为：5°.

ITEM	W	A0	B0	K1	K0	P	F	E	D0	D1	P0	P2	T
DIM	16.0 +0.30 −0.30	5.70 ±0.10	7.30 ±0.10	--- ±0.10	2.70 ±0.10	12.0 ±0.10	7.50 ±0.10	1.75 ±0.10	ø1.5 +0.10 −0.00	ø0.00 ±0.10	4.0 ±0.10	2.0 ±0.10	0.30 +0.05 −0.05
ALTERNATE													

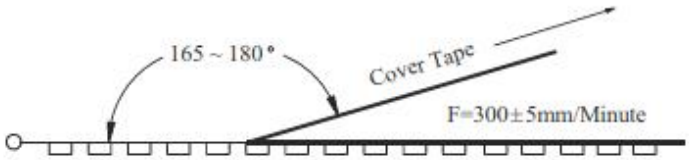
11.2 /REEL



REEL	REEL SIZE
3000 c	13 c

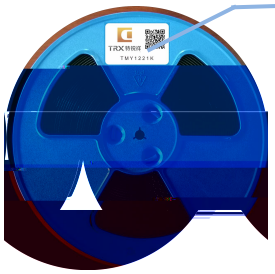
11.3 /Pee g S e g

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



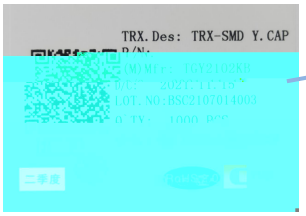
11.4 /P d c Pac ag g Sc e e

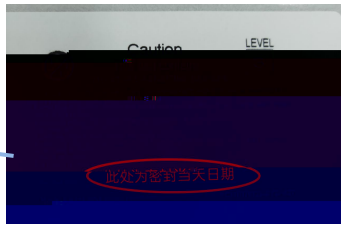
/inner-packaging



/Ree S e: 13 c
3.0KPCS/Ree

/I e d c abe

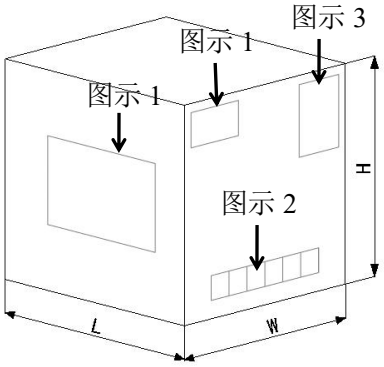




/P d c f a abe /Labe Sea ed bag /H d e e abe

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

/Outer-packaging



图示 1/F g e 1

图示 2/F g e 2

图示 3/F g e 3

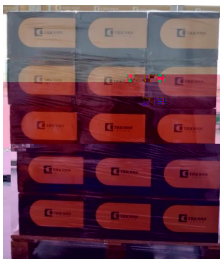
( ) D e			Q a	O B We g
L	W	H	45KPCS	15.0KG
355	358	294		

/Package sketch:

/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. /

Remark:1.T e 5 e ac g ac ed a e ca ' e a 5 a e ; 2. Pa e ac ag g & g-d a ce a d be a g; 3.50 c ab e e e g f e a ce d d ; 4. N a e e a e / d ee g.

12. /Application notes

①.
A e d a e fac a e e f e age f e b e e a da age e ca ac .

②. PCB PCB
PCB
Ca ac ed a ed c c b a d (PCB) e e e f PCB b a d e d g d c e ed a d ca ac a e de ag ee e , e e a ca e e ca ac a d e PCB b a d bad e d g a d ca ac be def e fee b d de c a d da age e ca ac .

③.
A d a c e e, e e f e a e .

④.
P ea e c f f e bed e ca ac a c e .

⑤. PCB
D e e ca ac af e a bee de ed e b a d.

⑥. PCB
D c e PC b a d b e de ed ca ac .