Manufacturer : Anshan Kei	fat Electronic Ceramic	Technical Co.,Ltd.	No:		
Approval	Sheet for F	Product Spec	cification		
Customer:					
Product: Epoxy Mol	Product: Epoxy Molding SMD 400VAC-Y1 cap				
PART No.:					
Mfr. P/N:					
Date: 年 月	日				
Manufa	octurer	Custome	er Confirm		
Prepared by 薛志豪		合格OK□ 不合格NG□			
Checked by	于金龙	Checked by			
Approved by	范垂旭	Approved by			
Address : No. 177 X Tel. : 86-412-8234566 E-mail: asaec111@126	Fax : 86-412	District Anshan, China -8200366			

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Epoxy Molding SMD 400VAC-Y1 cap		Edition	Page	
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No.	No. Item Page			
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2	Revision History	
3	Features	
4	Application	
5	Part Number Designation	
6	Appearance and Dimension	
7	Marking、Safety Certification、Structure	
8	Capacity—Temperature curve, capacity、 dielectric loss—frequency	
	curve	
9	Specification and Test Method	
10	Package Description	
11	Label	
12	Recommended Soldering Condition	
13	Caution	

			PART NO.	
Fnovy	Molding SN	ID 400VAC-Y1 cap	Edition	Page
Броху	MOTUTING ON		A	3
		Revision History		
Edition	Date	Contents of formulation / modification /	Formulation	Approval
		repeal		
А		New edition released	薛志豪	于金龙
1				

		PART NO.	
		Edition	Page
роху	Molding SMD 400VAC-Y1 cap	А	4
	Features		
1.	We design capacitors much more compact in thickness than tradition	al radial Type	, having reduced
	thickness to 2.5mm height.		
2.	Operating temperature range guaranteed up to 125 degrees C.		
3.	Dielectric strength: AC4000V		
4.	Class X1/Y1 capacitors certified by UL/CQC/VDE/KC/ENEC.		
5.	Coated with flame – retardant epoxy resin (conforming to UL94V – 0 sta	indard). We rec	ommend a haloge
	free & beryllium free product* as our standard item.		
	* CI =900ppm max., Br=900ppm max. and CI+Br=1500ppm max.		
6.	Taping available for automatic SMT reflow.		
7.	AC250V & AC400V Rated Voltage item are available.		
8.	This one is MSL 3 product. So, in order to avoid the absorption of	moisture, capa	acitors are packed
	moisture-proof envelope.		
	Store the capacitors in the following conditions at all times, and use within	6 months after	delivered.
	Temperature:10 to 30°C		
	Humidity: 60%max.		
	Solder the enclosed capacitors within 168 hours after opening the moisture	e-proof package	e. After opening, s
	the capacitors in moisture-proof package with a desiccant and HIC card an	d keep the abov	ve condition.
	In case the storage period has been exceeded 6 months or the indicato	r color of a er	nclosed HIC card
	changed when the package has been opened, perform baking ($60^{\circ}Cx168hr$)before solderin	ng.
9.	When the product is unpacked, the exposure time exceeds Floor time, the product exceed the requirement. Reference condition for drying mounted	-	-

bake: Floor life begins at time=0 after bake)

Level	Bake@40°C ≤5%RH		
	Saturated@30°C/85%RHAt limit of Floor life+72hr@30°C/60RH		
3	79days	67days	

Application

- 1. Ideal for use as X/Y capacitors for AC line filters and primary-secondary coupling on switching power supplies and AC adapters.
- 2. Ideal for use on D-A isolation and noise absorption for DAA modems without transformers.
- 3. Mounting Capacitor on both sides of PCB, increasing the space utilization ratio.

Part Number Designation

CT7 -400VAC - Y1 - B - 101 K SMD Ρ 1 2 3 4 5 6 7 8

⁴ Anshan Keifat Electronic Ceramic Technical Co., Ltd.

	PART NO.	
En and Malling CND 400WAC VI and	Edition	Page
Epoxy Molding SMD 400VAC-Y1 cap	А	5

Type

Code	Type Designation
CT7	Safety Standard Certified

3 Class Code

5Capacitance

Code

22

101

102

⑦Lead Shape

Code

SMD

Code	Class Code
Y1	Y1

Capacitance

22 pF 100 pF

1000 pF

Shape

SMD Type

②Rated Voltage

Code	Rated Vol. (AC)
400VAC	400V

(4)Temperature Characteristic

GB	EIA	Temp. range	Cap. Change	
s	5L	+25~+85℃ +350~-1000ppm/		
В	Y5P	-25∼+85℃	±10%	
E	Y5U	−25 ~+85℃	-56%~+22%	

⑥Tolerance

Code	Tolerance
J	\pm 5%
К	±10%
М	±20%

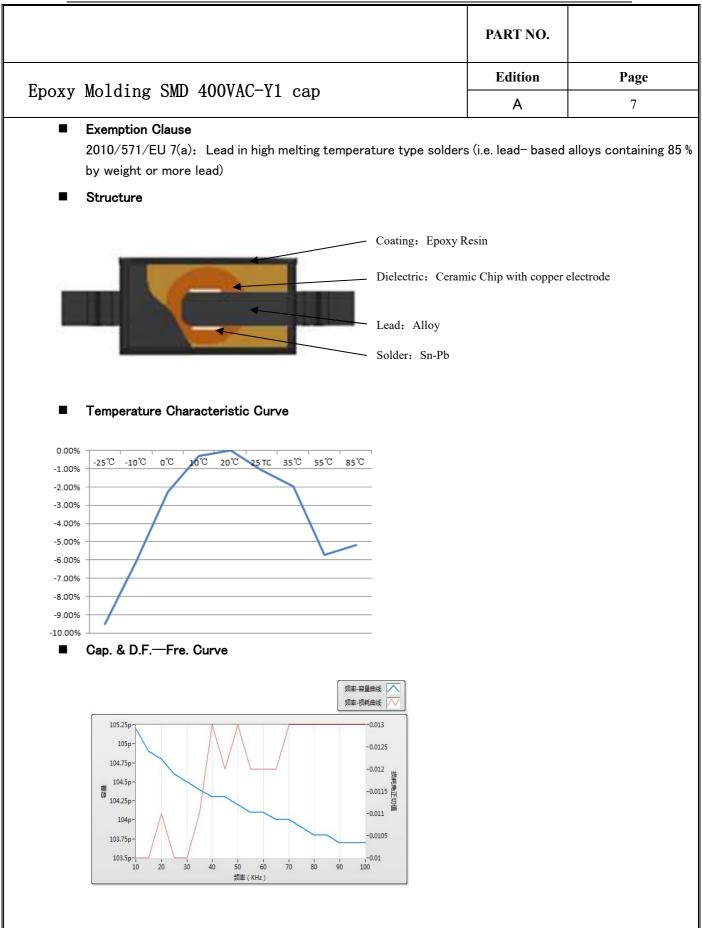
®Special Specification Code

Code	Description
Р	Pb Solder Product

Part No.	CODE NO.	STYLE
	CT7-400VAC-Y1-SL-22J SMD P	
	CT7-400VAC -Y1-SL-47J SMD P	
	CT7-400VAC-Y1-B-101K SMD P	
	CT7-400VAC-Y1-B-221K SMD P	
	CT7-400VAC-Y1-B-331K SMD P	
	CT7-400VAC-Y1-B-471K SMD P	
	CT7-400VAC-Y1-B-681K SMD P	
	CT7-400VAC-Y1-E-102M SMD P	
	CT7-400VAC-Y1-E-152M SMD P	

						PA	RT NO.	
• Appearance and Dimension (Unit: mm) • Appearance and Dimension (Unit: mm) $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Errorr Moldi	ርህመ ፈሰርን	VAC_V1			E	dition	Page
$\frac{L}{L0} \qquad \qquad$	Epoxy Molul		A	6				
$\frac{L_0}{L_1}$	Appeara	ance and Dimens	i on (Unit: 1	nm)				
400VAC-Y1 8.2 ± 0.3 6.2 ± 0.3 2.40 ± 0.15 9.9 ± 0.3 11.4 ± 0.3 2.5 ± 0.2 250VAC-Y1 6.2 ± 0.3 5.2 ± 0.3 2.40 ± 0.15 8.4 ± 0.3 10.0 ± 0.3 2.5 ± 0.2 e Marking Manufacturer's Marking		LO						F L
250VAC-Y1 6.2±0.3 5.2±0.3 2.40±0.15 8.4±0.3 10.0±0.3 2.5±0.2 Image: Constraint of the stress	Specification	L	w	н		L0	L1	WO
 Marking Manufacturer's Marking CT7 B 101K P Y1 250 ~ 400 ~ 048A Manufacturer's Marking CT7 Type Designation B Temperature Characteristic 101 Nominal Capacitance K Capacitance Tolerance P Pb solder product Y1 Class code 250~/400~ Rated Voltage Mark 048A Manufactured Date Code (0: Year, 4: Month, 8: 	400VAC-Y1					9.9±0.3	11.4±0.3	2.5±0.2
Manufacturer's MarkingManufacturer's MarkingCT7Manufacturer's MarkingCT7Type DesignationBTemperature CharacteristicBTemperature Characteristic101Nominal CapacitanceKCapacitance TolerancePPb solder productV1Class code250~/400~Rated Voltage Mark048AManufactured Date Code (0: Year, 4: Month, 8:	250VAC-Y1	6.2±0.3	5.2±0.	3 2.40±	0.15	8.4±0.3	10.0±0.3	2.5±0.2
	СТ7 Р Ү	B 101K 1 250 ~ 400 ~		CT7 B 101 K P Y1 250~/400~	Type I Tempe Nomina Capaci Pb sole Class o Rated Manufa	Designation erature Characteri al Capacitance itance Tolerance der product code Voltage Mark actured Date Cod	e (0: Year, 4:	Month, 8:
	■ Safety (Certification						

No	Certificate authority	Certificate No	Rated voltage
1	CQC	14001112943	400VAC-Y1
2	ENEC	40043423	400VAC-Y1/X1,250VAC-Y1/Y2/X1
3	VDE	40043423	400VAC-Y1/X1,250VAC-Y1/Y2/X1
4	UL	E232980	400VAC-Y1/X1,250VAC-Y1/Y2/X1
5	КС	HU03028-15001A	250VAC-Y1



					PART NO.			
Fnoxy	Molding SI	MD 400VA	C−V1 can		Edition	Page		
проку п	moraring bi				А	8		
	Specification a							
It	tem	SI	pecifications		Test Met	hod		
1 Operating T	emp. Range	-40°C∼+125	٥°C					
2 Appearance	•	No defects o	r abnormalities	Visual inspection	on			
3 Dimensions		Within the sp	ecified dimensions	Dimension be r	measured by calipe	er		
4 Marking		To be easily	legible	The capacitor	should be visually	inspected.		
5 Capacitan	се	In specified t	olerance	Temp. 20℃±2	2℃,			
		Char.	Specifications	Vol. AC 5Vrm	ıs Max.			
		SL	≪0.15%	Freq. SL: 1±0.	.1MHz , $B \ge E:1 \pm$	0.1KHz,		
6 Dissipation	Factor(D.F.)/Q	B、 E	≤2.5%	The capacitanc	ce, dissipation fact	or should be measured at		
				20℃ with 1±0	0.1KHz (char. SL	: 1 ± 0.1 MHz) and AC		
				5Vrms Max.				
						be measured with DC		
7 Insulation R	esistance (I.R.)	10000MΩ mi	in	500±50V with				
				The voltage should be applied to the capacitor through a register of 1MO				
				resistor of 1M				
						aged when the test		
				voltages from Table 1 are applied between the lead wires fo				
	Between	No failure		60 sec.				
	Lead Wires	Char.	Leakage current		Туре	Test Voltage		
		SL、B、E	1.0mA max.	<table 1=""></table>	X1Y1	AC4000V(rms)		
					X111 X1Y2	AC2500V(rms)		
				Einst the term				
						tor should be connected Id be wrapped closely with		
						y of the capacitor to a		
0.0.1.1.						ach terminal. Then, put the		
8 Dielectric Strength						hown in below figure.		
Strength					voltage of Table 2			
					~			
	Body							
	Insulation				Plastic	<u>c in</u> sulation		
						minum film		
					~			
					Туре	Test Voltage		
				<table 2=""></table>	X1Y1	AC4000V(r.m.s.)		
					X1Y2	AC2500V(r.m.s.)		

					PART NO.	
Epoxy Mo	lding SMD	400VA	C-Y1 cap		Edition	Page
		10011			A	9
Ite	m		Specifications		Test Method	
	Char. Capacitance Change The capacitance should be measured at each st					
9 Temperature C	naracteristic	SL	+350∼−1000ppm/°C (+20°C~+85°C)	table. Step	1 2 3	4 5
		в	±10%		20±2 -25±2 20±2	85±2 20±2
		E	-56%~+22%			L
10 Vibration Resistance	Appearance	No mar	ked defect	the approximate limi to 55Hz and return 1 1min.This motion sh	d be subjected to a	uency range, from 10 sed in approximately d of 2hrs.in each of 3
11 Solder ability	of leads		the terminations are to be d evenly and ously.	rosin (JIS-K-5902) (Immerse in solder so Immersing speed: 25	for in a solution of ethano (25% rosin in weight propo- olution for 2 \pm 0.5 sec. $5\pm$ 2.5mm/s $5\pm$ 5 $^{\circ}$ C Lead Free Solder	rtion).
12 Deflection		No mar	ked defect	Then apply a force should be done usin	to the test jig(glass epoxy in the direction shown in g reflow method and shou dering is uniform a free of 20 ⁵⁰ Pressurizing speed: 1.0mm Pressurize Texure	n Fig.1. The soldering uld be conducted with defects such as heat
		9.6	11.7 2.7 1.0	E.	45 45 45 Fig.1	(in mm)

					PART NO.			
					PARI NO.			
Froww M	olding SI		AC-Y1 cap		Edition	Page		
проху м	oruring of	ш 400V	no 11 cap		A	10		
Ite	m		Specifications		Test Method			
13 Adhesive St Termination	rength of		l of the terminations or ct should occur.	in Fig.2 Then apply 10N soldering should conducted with o of defects such	be done using reflow met be done using reflow met care so that the soldering as heat shock.	of the arrow. The hod and should be is uniform and free		
	Appearance	No marked	defect	Preheat the cap				
14 Resistance	Capacitance Change	Char. SL B	Capacitance Change ±5% or ±0.5pF (whichever is larger) ±10%	table. Immerse the capacitor in solder solution at 260 ± 5 °C for 10 ± 1 sec. Let sit at room condition for 24 ± 2 hrs., then measured.				
to		E						
Soldering Heat				Perform a heat t	Temperature 100 to 120°C 170 to 200°C			
	Appearance	No marked	defect	Before this te	st, the test shown in	the following is		
15 稳态湿热 Humidity	Capacitance Change	Char. SL B E	Capacitance Change $\pm 5\%$ or $\pm 0.5 pF$ (whichever is larger) $\pm 10\%$ $\pm 15\%$	 performed. Item 12 Deflection Item 13 Adhesive Strength of Termination (applied force is 5N) Set the capacitor for 500⁺²⁴₋₀ hrs. at 40±2°C in 90 to 95% 				
(under Steady State)	D.F./Q	Char. SL B、E	Specifications ≤0.3% ≤5.0%	Pretreatment for Perform a heat then let sit for 2	relative humidity . Pretreatment for Y5P、Y5U char. Perform a heat treatment at 150_{-10}^{+0} °C for 60 ± 5 min. and then let sit for 24±2 hrs. at room condition.			
	I.R.	3000MΩ n	nin	_	The capacitor should be	stored for 1 to 2		
	Dielectric Strength	Per Item 8			hours at room condition.			

D. M.	1.1	4003440	V1		Edition	Page	
Ероху мо	lding SMD	400VAC	-YI cap		А	11	
Ite	m	S	pecifications		Test Method		
16 Humidity Loading	Appearance Capacitance Change	No Char. SL	 marked defect Capacitance Change ±5% or ±0.5pF (which compare to be presented on the prese	performed. • Item 12 Deflect	the test shown ir ion ve Strength of Termin		
	D.F./Q	B E	(whichever is larger) ±10% ±15%	95% relative humidi		t 40±2°C in 90% to	
	D.F./ Q	Char. SL B、E	Specifications ≤0.3% ≤5.0%		′5P、Y5U char. eatment at 150 ₋₁₀ ℃ ±2 hrs. at room cond		
	I.R. Dielectric Strength	:	3000 MΩ min Per Item 8.	Post-treatment: Capacitor should condition	be stored for 24 :	\pm 2 hrs. at roon	
	Appearance Capacitance Change	Nc Char. SL 	marked defect Capacitance Change ±5% or ±1.0pF (whichever is larger) ±20%	performed. • Item 12 Deflect	the test shown ir ion ve Strength of Termin		
	I.R.	3000MΩ n	nin	Impulse voltage	5 I III I		
17 Life	Dielectric Strength	Per Item	8.				

			PART NO.	
From Wolding SVD	400VAC-V1		Edition	Page
Epoxy Molding SMD	400VAC-11 cap		A	12
Item	Specifications		Test Method	
18 Passive Flammability	The burning time should not exceed 30 sec. The tissue paper should not ignite.	position that best p only be exposed or flame: 30 sec. Length of flame : 1 Gas burner: Leng Inside	th 35mm min. e Dia. 0.5±0.1mm ide Dia. 0.9mm max.	h specimen should
19 Active Flammability	The cheesecloth should not be on fire.	least one but not cheesecloth. The 20 discharges. The discharges should maintained for 2 r_{r} r_{r} r_{s_2} r_{c_1} $C_{1,2}$: 1µF±10%	nder test U_{AC} : U 0A U_R : Rated	inplete layers of e subjected to successive should be discharge. P C_1 U_1 C_2 U_1 C_2 U_2 C_3 U_4 C_4 U_4 U_5 C_6 U_8

Ite		S.	ecifications				Test Method	1
100	Appearance	No marked d		The cor	pagitor c			o 5 temperature
	Appearance	Char.	Capacitance Change				tively to 2 imm	
	Capacitance	SL	±5% or ±1.0pF	Cycles,			Temperature (
	Change		(whichever is larger)		Step	Ten	nperature(°C)	Time(min)
		<u> </u>	±10%		1		-40+0/-3	30
		E	±20%	-	2 3		125+3/-0	3 30
		Char.	Specifications		4		Room temp.	3
	D.F./Q	SL	≤0.3%				cycle time:5 cycle	es
		Β、Ε	≤5.0%	-		<iı< td=""><td>mmersion Cycl</td><td>e≻</td></iı<>	mmersion Cycl	e≻
21	I.R.	3000M Ω mi	n	Step	Temp.(-	Time(min)	Immersion Water
Temperature and				1	65+5/	/-0	15	Clean water
immersion Cycle				2	0±3		15	Salt water
	Dielectric Strength	Per Item 8.		placed a Pretrea Perform then let Post-tr	or should at room tment fo a heat sit for 2 eatment cor should	d be s condit or Y5P treatn 24±2 :	tion for 24 ± 2 ∇ Y5U char. nent at 150^{+0}_{-10} hrs. at room c	2°C for 1 hr., then hrs. °C for 60±5 min. a

							PART NO.	
Enour Moldin							Edition	Page
Epoxy Moluli	Epoxy Molding SMD 400VAC-Y1 cap						А	14
Package Description	tion							
				54 0, 2,				
Reel Drawing								
•								
Reel Size (mm)			- [r			
A		3		C	4		D	
330±1.8	100	±0.7		24±0	.4		27.4±0.4	
Package quantity Part Number	Reel Size	ea/reel	Roal/ir	ner box	ea/inner	hov	Inner Box size(n	am)
						NOX		

	PART NO.	
From Molding SMD 400VAC-V1 cor	Edition	Page
Epoxy Molding SMD 400VAC-Y1 cap	A	15

Package

Paste product label and moisture-sensitive warning label on the taping reel, then, take the reel, HIC card and desiccant(30g) into the package bag, vacuum sealed.

Product Label

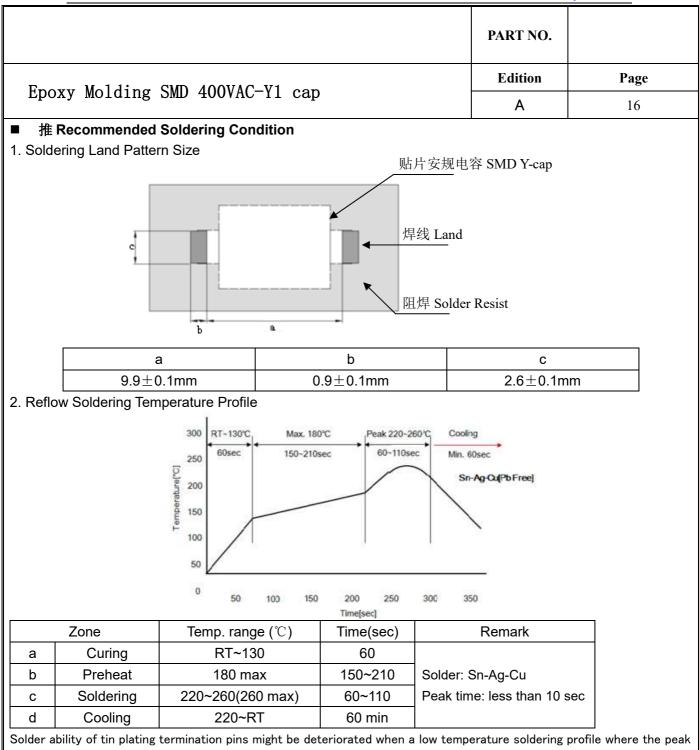
CODE	TEST BY	QC05
TTEM SMD Y1-cap		
SPEC CT7-250VAC-Y	-E-102M SMD F	
QTTY 50 PCS	DATE	2019.06.28
REM Pb Solder	LOT S	AMPLE

No.	Description	No.	Description
1	Code Number	5	Remark
2	ITEM	6	Check
3	SPEC	7	Produce Date
4	Quantity	8	Batch

Package style and moisture-sensitive warning label Label



储存条件 Storage Condition	Temperature:10 to 30°C Humidity: 60%max.			
使用期限 Using Period	6个月 6months			
打开包装后使用条件 Using Condition after opening	打开包装后室内环境30℃/60%RH, 168小时内回流焊接 未使用产品附干燥剂和HIC卡密封包装储存 Mounted & Reflow within 168hr of factory condition ≤30℃/60%RH Stored in moisture-proof package with a desiccant and HIC card			
后处理 Post-treatment	如果超过6个月的储存期,或包装打开后随附的HIC 卡的指示颜色发生变化,则应在焊接前进行烘烤 (60°Cx168hr)。 In case the storage period has been exceeded 6 months or the color of HIC card has changed, perform baking (60°Cx168hr) before soldering.			



solder temperature is below the melting point of tin is used. Please confirm the solder ability of tin plated termination pins before use

The maximum temperature in the air outlet and the space of Reflow soldering is 280° C max., if the temperature exceed, it maybe a failure occur. Our company will not be held responsible for any adverse effects caused by over temperature using

Caution (Rating)

1. Operating Voltage

When DC-rated capacitors are to be used in AC or ripple current circuits, be sure to maintain the V p-p value of the applied voltage or the Vo-p that contains DC bias within the rated voltage range.

	PART NO.	
From Wolding SWD 400VAC V1 cor	Edition	Page
Epoxy Molding SMD 400VAC-Y1 cap	А	17

When the voltage is applied to the circuit, starting or stopping may generate irregular voltage for a transit period because of resonance or switching. Be sure to use a capacitor with a rated voltage range that includes these irregular voltages.

Voltage	DC Voltage	DC+AC Voltage	AC Voltage	Pulse Voltage (1)	Pulse Voltage (2)
Positional Measurement	V0-p	Vo-p	Vp-p	Vp-p	Vp-p

2. Operating Temperature and Self-generated Heat (Apply to B/E Char.)

Keep the surface temperature of a capacitor below the upper limit of its rated operating temperature range. Be sure to take into account the heat generated by the capacitor itself. When the capacitor is used in a high-frequency current, pulse current or similar current, it may have self-generated heat due to dielectric loss. Applied voltage load should be such that self-generated heat is within 20 °C under the condition where the capacitor is subjected to an atmospheric temperature of 25 °C. When measuring, use a thermocouple of small thermal capacity-K of Φ 0.1mm under conditions where the capacitor is not affected by radiant heat from other components or wind from surroundings. Excessive heat may lead to deterioration of the capacitor's characteristics and reliability. (Never attempt to perform measurement with the cooling fan running. Otherwise, accurate measurement cannot be ensured.)

3. Test Condition for Withstanding Voltage

(1) Test Equipment

Test equipment for AC withstanding voltage should be used with the performance of the wave similar to 50/60Hz sine wave.

If the distorted sine wave or overload exceeding the specified voltage value is applied, a defect may be caused.

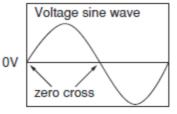
(2) Voltage Applied Method

When the withstanding voltage is applied, the capacitor's lead or terminal should be firmly connected to the output of the withstanding voltage test equipment, and then the voltage should be raised from near zero to the test voltage.

If the test voltage without the raise from near zero voltage would be applied directly to capacitor, test voltage should be applied with the zero cross.* At the end of the test time, the test voltage should be reduced to near zero, and then capacitor's lead or terminal should be taken off the output of the withstanding voltage test equipment. If the test voltage without the raise from near zero voltage would be applied directly to capacitor, the surge voltage may rise, and therefore, a defect may be caused.

	PART NO.	
Enorm Molding SWD 400VAC-V1 con	Edition	Page
Epoxy Molding SMD 400VAC-Y1 cap	А	18

*ZERO CROSS is the point where voltage sine wave passes 0V. See the figure at below.



4. Fail-Safe

When the capacitor is broken, failure may result in a short circuit. Be sure to provide an appropriate fail-safe function like a fuse on your product if failure could result in an electric shock, fire or fuming.

FAILURE TO FOLLOW THE ABOVE CAUTIONS MAY RESULT, WORST CASE, IN A SHORT CIRCUIT AND CAUSE FUMING OR PARTIAL DISPERSION WHEN THE PRODUCT IS USED.

Caution (Storage and Operating Condition)

The insulating Epoxy molded capacitors does not form a perfect seal; therefore, do not use or store capacitors in a corrosive atmosphere, especially where chloride gas, sulfide gas, acid, alkali, salt or the like are present. And avoid exposure to moisture. Before cleaning, bonding or molding this product, verify that these processes do not affect produce quality by testing the performance of a cleaned, bonded or molded product in the intended equipment.

This one is MSL 3 product. So, in order to avoid the absorption of moisture, capacitors are packed in moisture-proof envelope.

Store the capacitors in the following conditions at all times, and use within 6 months after delivered.

Temperature:10 to 30° C

Humidity: 60%max.

Solder the enclosed capacitors within 168 hours after opening the moisture-proof package. After opening, store the capacitors in moisture-proof package with a desiccant and HIC card and keep the above condition.

In case the storage period has been exceeded 6 months or the indicator color of a enclosed HIC card has changed when the package has been opened, perform baking $(60^{\circ}C \times 168hr)$ before soldering.

When the product is unpacked, the exposure time exceeds Floor time, the temperature and humidity around the product exceed the requirement. Reference condition for drying mounted or unmounted SMD packages (user bake: Floor life begins at time=0 after bake)

				PART NO.		
Epoxy Molding SMD 400VAC-Y1 cap		Edition	Page			
		А	19			
	Level Bake@40°C ≤5%RH					
	Saturated@30°C/85%RH At limit of Floor life+72hr@30°C/60RH			0℃/60RH		
	3 79days 67days					
	FAILURE T	O FOLLOW THE ABOVE CAUTIONS MAY RE	SULT, WORST CA	SE, IN A SHOCT	CIRCUIT AND C	AUSE
	FUMING O	R PARTIAL DISPERSION WHEN THE PRODUC	T IS USED.			
		ng, Mounting and Handing)				
1.	Vibration an					
	-	ose a capacitor or its pins to excessive shock o	_			
		hock or vibration may cause fatigue destruction				
		measures to hold a capacitor on the circuit bo				
0		irm there is no influence of holding measures o	n the product with	the intended equip	oment.	
2.	Soldering	ring this product to a DCP/DWP, do not ever	d the colder heat i	ragistance analifia	ations of the ear	agitar
		ring this product to a PCB/PWB, do not excee		-		
	Subjecting this product to excessive heating could melt the internal junction solder and may result in thermal shocks that can					
	crack the ceramic element. Soldering the capacitor with a soldering iron should be performed in the following conditions.					
	Temperature of iron-tip: 400 degrees C. max.					
	Soldering iron wattage: 50W max.					
	Soldering time: 3.5 sec. max.					
3.	Bonding, Re	sin Molding and Coating				
	Before bond	ding, molding or coating this product, verify tha	t these processes	do not affect the	quality of capaci	tor by
	testing the	performance of the bonded, molded or coated p	product in the inter	nded equipment.		
	In case the	amount of applications, dryness/hardening cor	nditions of adhesiv	es and molding res	sins containing o	rganic
	solvents (e	thyl acetate, methyl ethyl ketone, toluene, etc	.) are unsuitable, t	the outer coating	resin of a capac	itor is
	damaged by	the organic solvents and it may result, worst o	case, in a short cire	cuit.		
	The variatio	n in thickness of adhesive, molding resin or coa	ting may cause out	er coating resin cr	acking and/or co	eramic
	element cra	acking of a capacitor in a temperature cycling.				
4.	Treatment a	fter Bonding, Resin Molding and Coating				
	When the o	uter coating is hot (over 100 degrees C.) after	soldering, it becom	nes soft and fragile	e. Therefore, plea	ase be
	careful not to give it mechanical stress. FAILURE TO FOLLOW THE ABOVE CAUTIONS MAY RESULT, WORST CASE, IN A SHOCT CIRCUIT AND CAUSE FUMING OR PARTIAL DISPERSION WHEN THE PRODUCT IS USED.					

	PART NO.			
Encury Molding SMD 400VAC-V1 con	Edition	Page		
Epoxy Molding SMD 400VAC-Y1 cap	A	20		
Notice (Soldering and Mounting)				
Cleaning (ultrasonic cleaning)				
To perform ultrasonic cleaning, observe the following conditions.				
Rinse bath capacity: Output of 20 watts per liter or less. Rinsing time: 5 m	nin. max.			
Do not vibrate the PCB/PWB directly. Excessive ultrasonic cleaning may	lead to fatigue destructi	on of the pins.		
Notice (Rating)				
1. Capacitance Change of Capacitors				
(1) For CH/SL/DL char.				
Capacitance might change a little depending on a surrounding temperature	e or an applied voltage.			
Please contact us if you use a strict constant time circuit.				
(2) For B/E char.				
Capacitors have an aging characteristic, whereby the capacitor continua	Illy decreases its capaci	tance slightly if the		
capacitor is left on for a long time. Moreover, capacitance might cha	ange greatly depending	on the surrounding		
temperature or an applied voltage. Therefore, it is not likely to be suitable	for use in a constant ti	me circuit.		
Please contact us if you need detailed information.				
2. Performance Check by Equipment				
Before using a capacitor, check that there is no problem in the equipment	's performance and the	specifications.		
Generally speaking, CLASS 2 (B/E char.) ceramic capacitors have voltage α	dependence characterist	ics and temperature		
dependence characteristics in capacitance, so the capacitance value may	change depending on the	operating condition		
in the equipment. Therefore, be sure to confirm the apparatus performan	ce of receiving influence	e in the capacitance		
value change of a capacitor, such as leakage current and noise suppression	on characteristic.			
Moreover, check the surge-proof ability of a capacitor in the equipment	, if needed, because the	e surge voltage may		
exceed specific value by the inductance of the circuit.				