

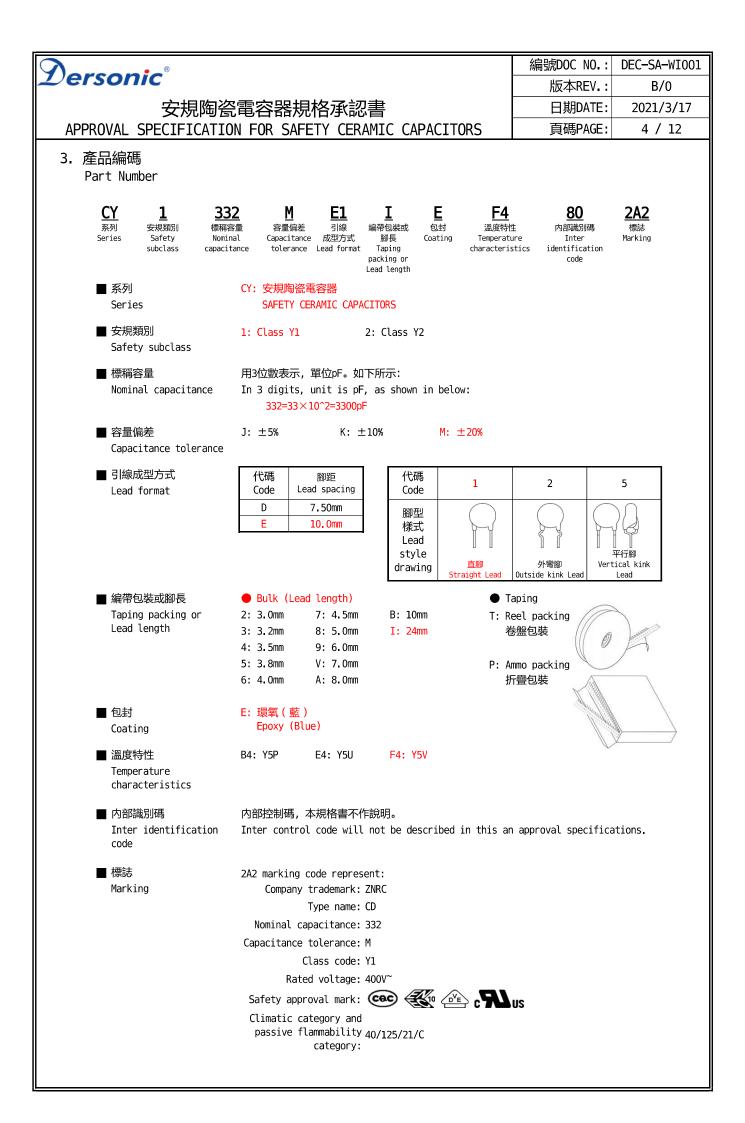
					. 1
Derso					DEC-SA-WI001
200130				版本REV.:	B/0
		安規陶瓷電容器規格承認書		日期DATE:	2021/3/17
APPROV	'AL	SPECIFICATION FOR SAFETY CERAMIC CA	APACITORS	頁碼PAGE:	1 / 12
Пг					
		目録			
		CONTENTS			
		CONTENTS			
	_				
	1.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			2
		DATA SHEET			
	2	概述			3
		INTRODUCTION			5
	3.		••••••	••••••	4
		PART NUMBER			
					_
	4.	標準與試驗方法 ····································			5
		SPECIFICATIONS AND TESTING METHOD			
	5.	測量和使用注意事項			8
		MEASURING AND APPLICATION NOTICE			-
	6.	编帶尺寸規格			12
		TAPING SPECIFICATIONS			



請確保我們的產品安裝到您的產品上前,已根據您的需求進行了評估。 Please make sure that your product has been evaluated in view of your specifications with our product being mounted to your product. 請您在使用我們的產品時,不要偏離此標準。 You are requested not to use our product deviating from this specification.

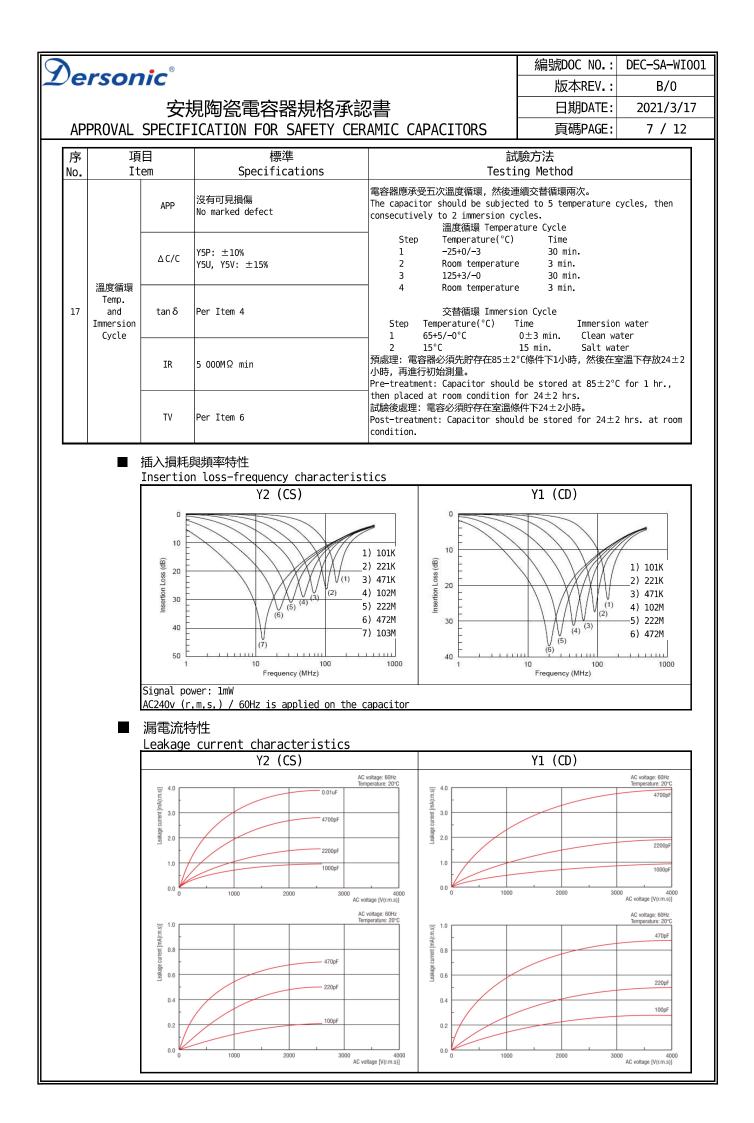
	- 8		编號DOC NO.:	DEC-SA-WI001		
Derson	iC		版本REV.:	B/0		
	安規陶瓷電容器	規格承認書	日期DATE:	2021/3/17		
APPROVAL S	SPECIFICATION FOR SA	AFETY CERAMIC CAPACITORS	頁碼PAGE:	2 / 12		
1. 規格表 Data shee	et					
			332M 1 CQC CAlus			
	產品編碼 Part number	CY1332ME1IEF4802A2				
	規格描述 Description	Y1/332/M/F10/直腳/L24/環氧(藍)/Y5V(Ⅱ)/80/ZNRC/400V~				
	客戶料號 Customer P/N	C2761711				
	<del>安規</del> 類別 Safety subclass	Y1				
	額定電壓 Rated voltage	400V~				
	電容量 Capacitance	3300pF ±20% @ 1kHz 1.0V 25°C				
	損耗角正切 Tangent of loss angle	0.025 max @ 1kHz 1.0V 25°C				
	耐電壓 Testing voltage	4000VAC (Charge/discharge 50mA max), 60s, PASS				
	絕緣電阻 Insulation resistance	10 000MΩ min @ 500V 60s				
Temp	溫度特性 perature characteristics	Y5V(II)				
	氣候類別 Climatic category	40/125/21				
Passiv	阻燃等級 /e flammability category	C				
	D (Diameter)	10mm ±1.0mm				
	T (Thickness)	4.4mm ±0.8	8mm			
	F (Lead spacing)	10mm±1.0	mm			
尺寸 DIMENSIONS	L (Lead length)	24mm±4.0	nm			
	ød (Lead diameter)	0.60mm±0.1	.Omm			
	C (Coating rundown on lead)	3mm max				

)ers					編號	DOC NO.:	DEC-SA-WIOC
	or				片	反本REV.:	B/0
		安規陶瓷	電容器規格承	認書	E	∃期DATE:	2021/3/17
APPRC	OVAL	SPECIFICATION	)RS 🛛 🗊	頁碼PAGE:	3 / 12		
2. 概述 Int 2.1.		ction					
	Scor 本規		创造的安規陶瓷電容器	2 To			
2.2.	This 應用		oplies safety ceran	nic capacitors for	Dersonic manufa	cture.	
	Y電和 Idea		•	電路和耦合電路。 ine filter and prim	ary-secondary co	oupling or	n switching
			句DAA模塊的D-A隔離和 isolation and nois	口吸收雜音上。 Se absorption for D	AA modems withou	ut transfo	ormers.
2.3.	特點 Feat	ā tures					
		操作溫度高達125°C Operating tempera		teed up to 125 degr	ees		
				ed to comply with I	EC 60384–14 req	uirements	
		認證標誌 APPROVAL MARK		E標準 STANDARDS	額定電壓 RATED VOLTAGE		登證書號* CATE NUMBER*
		c <b>AL</b> us	UL 60384-14		AC500V	E	472525
			DIN EN 60384-14(VDE EN 60384-14:2013-08 IEC 60384-14(ed. 4)	0565-1-1):2014-04	AC400V AC300V** AC250V		40040706 40045478
		Cec	IEC 60384-14:2013				C15001123983 C17001162592
	-	certification. **: Only Y2 class. 使用阻燃的環氧樹朋	皆包封(符合UL94 V-(				renewal of
	•	Coated with flame 結構如右圖所示 The structure is		resin (conforming t 包封层(环氧树脂) Coating (Epoxy resin)	o UL94 V-U stand		介质(陶瓷) Dielectric (Ceramic)
				电极(银或铜) Electrode (Silver or copper)	4		焊锡 (无铅锡) Soldering (Lead-free solde
				标志(激光蚀刻) Marking (Laser etching)			导线(CP线) Lead (CP wire)
		_	natic insertion ava	ailable			
		符合RoHS 2.0和REA Comply with RoHS	CH標準, 無鹵。 2.0 & REACH, halog	gen-free available			



1-		e e			编號DOC NO.:	DEC-SA-WIC
)e	rsor	IC			版本REV.:	B/0
		安規	見陶瓷電容器規格承認	書	日期DATE:	2021/3/1
AP	PROVAL		頁碼PAGE:	5 / 12		
4.	標準與詞 Specifi		and Testing Method			
No.		目	標準		式驗方法	
	It	em	Specifications 外觀形狀沒有明顯的缺點,尺寸在標準範	lest	ing Method	
1	Appearar	與尺寸 ice (APP) mension	圖內。 No marked defect on appearance form and dimensions are within specified range.	電容必須用目視檢查其明顯的缺點。 The capacitor should be visually inspected for evidence of defe 尺寸用遊標卡尺測量。 Dimensions should be measured with slide calipers.		
2		誌 king	清晰易於識別 To be easily legible	目視檢查。 The capacitor should be visual	lly inspected.	
3		量 ance(C <sub>R</sub> )	在誤差範圍内 Within specified tolerance	  容量與損耗角正切(Q值)在25±1°C  1Vrms下測量。	下,使用1kHz(SL使用1MHz	或100kHz)和
4	Tangent of	角正切 loss angle nδ)	0.025 max	The capacitance, $\tan \delta$ (Q value with 1kHz (SL: 1MHz or 100kHz)		at 25°C ± 1°C
5	Insulation	電阻 Resistance R)	10 000MΩ min	在兩導線間施加500VDC進行測量,時間不超過1分鐘(如果絕緣電阻達到要求 值時,試驗可以在更短的時間内結束)。 The insulation resistance should be measured with a DC 500V at normal temperature and humidity and less than 1 min. of charging (The test may be terminated in a shorter time, if the required value of insulation resistance is reached).		
		導線間 Between Lead Wires	無失效。 No failure	在電容器兩導線間施加下表電壓603 The capacitor should not be da following table are applied be (Charge/Discharge current <50	amaged when test voltag etween the lead wires f DmA)	les of
				Type Voltage proof	Y2 Y1 2500Vac 4000Vac	2
6	耐電壓 Voltage proof (TV)	本體絕緣 Body insulation	無失效。 No failure	首先,將電容器的端子擰在一起, 住電容器離端子3-4mm的本體,接着 爲1mm的金屬球的容器中,最後施加 First, the terminals of the ca connected together. Then, as sa right, a metal foil should be around the body of the capacit of about 3 to 4mm from each te capacitor should be inserted if filled with metal balls of abo of following table is applied lead wires and metal balls.	i將電容器插入盛着直徑 ロ下表所示的電壓60秒種 apacitor should be shown in figure at closely wrapped tor to the distance erminal. Then, the into a container put 1mm diameter. Final	
				Type Voltage proof	Y2 Y1 2500Vac 4000Vac	
7	Terminal	 .張強度 . Tensile ength	導線無折斷, 電容無破損。 Lead wire should not be cut off. Capacitor should not be broken.	如右圖所示,固定電容器的本體, 直力,保持10±1秒鐘。 As shown in the figure at righ capacitor and apply a tensile lead wire in the radial direct 10N and keep it for 10±1 sec.	使電容器毎支導線均承受1 nt, fix the body of the weight gradually to ea tion of the capacitor u	DN #
8	Terminal	導線抗折強度       導線無折斷, 電容無破損。       電容器導線應承受5N重量, 然後嚮外彎折成90°, 然後回復到原來位置;         Terminal Bending       以ad wire should not be cut off.       Capacitor should not be broken.         Strength       Strength       Gaacitor should not be broken.		then a 90° urn to		
		APP	沒有可見損傷 No marked defect	將電容器導線焊穩和調整振動頻率 10Hz到55Hz,然後再回到10Hz,大 The capacitor should be firmly	約一分鐘。	
9	振動 Vibration Resistance	bration C <sub>R</sub> 住允計誤差範圍風 Within the specif	在允許誤差範圍風 Within the specified tolerance	wire and vibrated at a frequer total amplitude, with about a from 10Hz to 55Hz and back to	ncy range of 10 to 55Hz 1 minute rate of vibra 10Hz.	, 1.5mm in
		tanδ	Per Item 4	總時間六個小時, 每兩小時在相互 Apply for a total of 6 hrs., 2 perpendicular directions.		У
10		旱性 ity of Lead	導線必須有3/4以上的面積均勻附着焊錫 Lead wire should be soldered with uniform coating on the axial direction over 3/4 of the circumferential direction.	將電容導線浸入焊料中2±0.5秒鐘 The lead wire of a capacitor s for 2±0.5 sec. The depth of i from the root of lead wires. 焊錫溫度 : 245±5℃ Solder temp.: 245±5℃	should be dipped into m	olten solder

S			R			編號DOC NO.:	DEC-SA-WI001
	ers	on	IC			版本REV.:	B/0
			安規	見陶瓷電容器規格承認	書	日期DATE:	2021/3/17
ŀ	\PPRO\	VAL		ICATION FOR SAFETY CER		頁碼PAGE:	6 / 12
٦ No	养 ).	項 It		標準 Specifications		驗方法 ng Method	
			APP	 沒有可見損傷 No marked defect	如圖所示,導線浸入離根部1.5–2.0  ±5°C錫槽中10±1秒。	(	Thermal screen
		建接熱	∆c/c	Y5P: ±10% Y5U, Y5V: ±20%	As shown in figure, the lead wi immersed in solder of 260±5°C 2.0mm from the root of terminal 預處理: 電容器必須先貯存在85±2′	up to 1.5 to L for 10±1.0s	Molten solder
	11 Soldering Effect		IR	2 000MΩ min		下存放24±2小時, 再進行初始測量。 ent: Capacitor should be stored at 85±2°C for 1h, and d at room condition for 24±2h. before initial	
			τv	Per Item 6	試驗後處理: 電容必須存放在室溫下 Post-treatment: Capacitor shoul condition.		at room
1	2	針焰 Flame		電容離開火焰後自動熄滅。 The capacitor flame discontinues as follows.	電容應放在火焰中15秒鐘, 然後離開 復5次。 The capacitor should be subject flame for 15 sec. and then remo sec. until 5 cycles are complet	ted to applied oved for 15	Capacitor Flame Gas Burner (in mm)
1	<sup>3</sup> Acti		杰性 ammability	紗布不着火 The cheese-cloth should not be on fire.	Ct: 3uF ±5% 10kV R: Cx: Capacitor under test	維持兩分鐘,最後放電。 dually wrapped in at l ers of cheese-cloth. T harges. The interval b e 5 sec. The UAC shoul e last discharge. $10000 \pm 5\%$ 10kV 1000 ± 5% 10kV Rated Voltage	east one but he capacitor etween
1	<sup>4</sup> Pass	阻炒 ive Fl	然性 ammability	燃燒時間不超過30秒, 棉紙不被點燃。 The burning time should not exceed 30 sec. The tissue paper should not ignite.	電容器在下面試驗中,火焰在適當的 一次燃燒,燃燒時間: 30秒鐘。 The capacitor under test should position which best promotes but exposed once to the flame. Time for bout 10mm fl Gas burner:	的位置被最大燃燒, 各個詞 d be held in the flame urning. Each specimen	in the should only be : 30s.
			APP	沒有可見損傷 No marked defect			宁雪康500+12
	耐 返	<b>え</b> 負荷	∆C/C	No marked defect Y5P: ±10% Y5U, Y5V: ±15%	電容保持在溫度爲40±2°C、相對濕 小時。 Apply the rated voltage for 500		
1	5 Humi	idity ding	tanδ	Y5P, Y5U: 0.050 max	relative humidity.		
			IR	Y5V: 0.075 max 5 000MΩ min	試驗後處理: 電容必須貯存在室溫條  Post-treatment: Capacitor shoul		2 hrs. at room
			TV	Per Item 6	condition.		
$\vdash$				沒有可見損傷	每個供試驗電容必須承受5kV(Y1為	8kV)脈沖電壓三 100(%)	T1=1.2us=1.67T
			APP	No marked defect	次, 然後再進行壽命試驗。 Each individual capacitor shoul to a 5kV (8kV for Y1) impulses		T2=50us
			IR	5 000MΩ min	times. After the capacitors are life test.	e applied to	1 12
1	6	就驗 Test	∆C/C	Y5P: ±10% Y5U, Y5V: ±15%	在125+2/-0°C的條件下使用下表所要 Apply a voltage of following ta 1.7 times rated voltage, except increased to AC1000V(rms) for ( 試驗後處理: 電容必須貯存在室溫條	able for 1000 hrs. at ied Voltage t that once each hour the 0.1s.	
			ΤV	如第6項 Per Item 6	Post-treatment: Capacitor shoul		2 hrs. at room

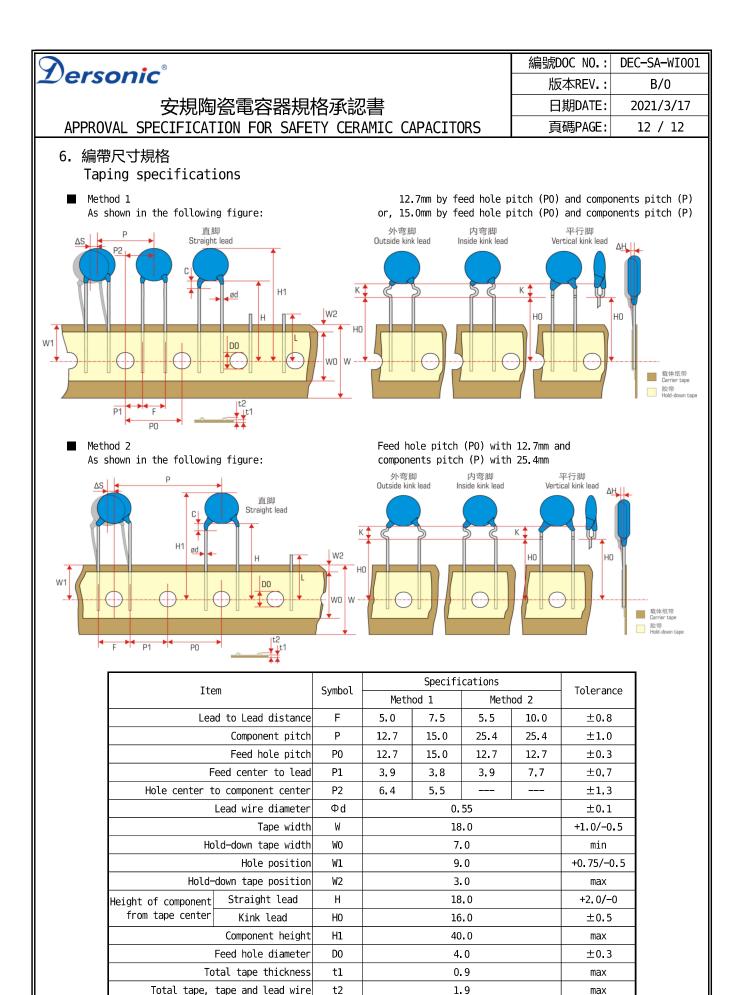


Der	sonic®				編號DOC NO.:	
					版本REV.:	B/0
	安規陶	<b>密電容器規</b> 調	格承認書		日期DATE:	2021/3/17
APPRO	VAL SPECIFICAT			PACITORS	頁碼PAGE:	8 / 12
	量和使用注意事項 asuring and App 測量注意事項 Measurement notic 請在以下條件下測量	lication Notio	ce			
	Please measure ur		g conditions.			
5.1.1.	標準大氣條件 Standard atmospheric conditions 除非另有規定,所有試驗和測量應按在IEC 60068-1的5.3中規定的試驗用標準大氣條件下表進行。 Unless otherwise specified, all tests and measurements shall be made under standard atmospheric conditions for testing as given in 5.3 of IEC 60068-1.					
		溫度	相對濕度		氣壓	1
	Te	emperature	Relative humi	dity	Air pressure	
		5°C~35°C	25%~75%		86kPa $\sim$ 106kPa	]
5.1.2.	在進行測量之前,電容器應在測量溫度下存放足夠時間,以使整個電容器都達到這一溫度。爲此目的,規定 與試驗後恢復時間同樣的時間,通常是足夠的。 Before the measurements are made, the capacitor shall be stored at the measuring temperature for a time sufficient to allow the entire capacitor to reach this temperature. The period as prescribed for recovery at the end of a test is normally sufficient for this purpose. 在標準大氣條件下進行測量, 其測量結果存在爭議時應采用仲裁溫度(見5.1.3)重復測量。 Test and measurement shall be made under standard atmospheric conditions for testing, in the event of a dispute, the measurements shall be repeated using one of the referee temperatures (as given in 5.1.3). 當技某一順序進行試驗時,一個試驗的最後測量可以作爲下一試驗的初始測量。 When tests are conducted in a sequence, the final measurements of one test may be taken as the initial measurements for the succeeding test. 在測量期間,不應使電容器受到氣流、陽光直射或可能引起誤差的其他影響。 During measurements the capacitor shall not be exposed to draughts, direct sunlight or other influences likely to cause error. 恢復條件 Recovery conditions 除非另有規定,恢復應在試驗用標準大氣條件(見5.1.1)下進行。 Unless otherwise specified recovery shall take place under the standard atmospheric conditions for testing (5.1.1). 如果恢復必須在嚴格控制的條件下進行,應采用IEC 60068-1中5.4.1的控制條件。 If recovery under closely controlled conditions is necessary, the controlled recovery conditions of 5.4.1 of IEC 60068-1 shall be used. 除非有關規範另有規定,恢復時間應爲h~2. Unless otherwise specified in the relevant specification, a duration of 1 h to 2 h shall be					
5.1.3.	Unless otherwise used.			cation, a d	duration of 1 h to 2	h shall be
5.1.3.	Unless otherwise used. 仲裁條件 Referee condition 在仲裁情況下,應選 For referee purpo	specified in the s 選用IEC 60068-1中的 oses, one of the -1, as given in t	e relevant specifi 5.2中規定的仲裁試 standard atmosphe able 1 below, sha	澰用標準大氣 ric condit:	條件。 ions for referee test cted:	
5.1.3.	Unless otherwise used. 仲裁條件 Referee condition 在仲裁情況下,應選 For referee purpo 5.2 of IEC 60068-	specified in the s 選用IEC 60068-1中 oses, one of the -1, as given in t 溫度	e relevant specifi 5.2中規定的仲裁試 standard atmosphe able 1 below, sha 相對濕度	檢用標準大氣 ric condit: ll be seled	〔條件。 ions for referee test cted: 氣壓	
5.1.3.	Unless otherwise used. 仲裁條件 Referee condition 在仲裁情況下,應過 For referee purpo 5.2 of IEC 60068-	specified in the s 選用IEC 60068-1中的 oses, one of the -1, as given in t	e relevant specifi 5.2中規定的仲裁試 standard atmosphe able 1 below, sha	檢用標準大氣 ric condit: ll be seled	條件。 ions for referee test cted:	
5.1.3.	Unless otherwise used. 仲裁條件 Referee condition 在仲裁情況下,應選 For referee purpo 5.2 of IEC 60068- 工作電壓 Operating voltage 嚮電容器施加的電應 The voltage appli	specified in the 離用IEC 60068-1中的 oses, one of the -1, as given in t 溫度 emperature 25°C±1°C e 墅切勿超過額定電塵 ied to the capaci	e relevant specifi 5.2中規定的仲裁試 standard atmosphe able 1 below, sha 相對濕度 Relative humi 48%~52%	檢用標準大氣 ric condit: ll be seled dity eed the rate	【條件。 ions for referee test cted: <u>氣壓</u> Air pressure 86kPa~106kPa	s taken from
	Unless otherwise used. 仲裁條件 Referee condition 在仲裁情況下,應過 For referee purpo 5.2 of IEC 60068- 工作電壓 Operating voltage 響電容器施加的電壓	specified in the as 選用IEC 60068-1中的 bses, one of the -1, as given in t 温度 emperature 25°C±1°C e 堅切勿超過額定電壓	e relevant specifi 5.2中規定的仲裁試 standard atmosphe able 1 below, sha 相對濕度 Relative humi 48%~52%	檢用標準大氣 ric condit: ill be selec dity	i像件。 ions for referee test cted: <u>氣壓</u> Air pressure 86kPa~106kPa ed voltage. ∑ 脈沖電	s taken from ] ] ]

Dara	onic	編號DOC NO.:	DEC-SA-WI001
Lers		版本REV.:	B/0
	安規陶瓷電容器規格承認書	日期DATE:	2021/3/17
APPRO	VAL SPECIFICATION FOR SAFETY CERAMIC CAPACITORS	頁碼PAGE:	9 / 12
	在交流電路或紋波電流電路中使用直流額定電壓電容器時,請務必將外加電應的Vo-p值維持在額定電壓範圍內。 When DC-rated capacitors are to be used in AC or ripple current cithe Vp-p value of the applied voltage or the Vo-p which contains E voltage range.	ircuits, be sure	to maintain
	若嚮電路施加電壓,開始或停止時可能會因諧振或切換產生暫時的異常電壓。 這些異常電壓的電容器。 When the voltage is applied to the circuit, starting or stopping m voltage for a transit period because of resonance or switching. Be with a rated voltage range that includes these irregular voltages.	may generate irre	egular
5.3.	工作溫度與自生熱 Operating temperature and self-generated heat 適用於Y5P、Y5U、Y5V特性。 Apply to Y5P, Y5U、Y5V char. 電容器的表面溫度應保持在其額定工作溫度範圍的上限以下。務必考慮到電容 流、脈沖電流等中使用時可能會因介電損耗發出自生熱。外加電壓應使自生熱 不超過20°C範圍。測量時應使用ø0.1mm小熱容量(K)的熱電偶,而且電容器 溫度波動影響。過熱可能會導致電容器特性及可靠性下降。 Keep the surface temperature of a capacitor below the upper limit temperature range. Be sure to take into account the heat generated When the capacitor is used in a high frequency current, pulse curr may have self-generated heat due to dielectric loss. Applied volta self-generated heat is within 20°C under the condition where the c atmosphere temperature of 25°C. When measuring, use a thermocouple k of ø0.1mm under conditions where the capacitor is not affected b components or wind from surroundings. Excessive heat may lead to c capacitor's characteristics and reliability. (切勿在冷卻風扇運轉時進行測量。否則無法確保測量數據的精確性。) (never attempt to perform measurement with the cooling fan running	熱等負荷在25°C周圍 不應受到其它元件 of its rated ope d by the capacito rent or similar of age load should b capacitor is subj e of small therma by radiant heat f deterioration of	副溫度條件下 的散熱或環境 erating or itself. current, it be such that jected at an al capacity— from other the
5.4.	measurement cannot be ensured.) 耐電壓的測試條件 Test condition for withstanding voltage		
5.4.1.	測試設備 Test equipment 交流耐壓的測試設備應具有能夠產生類似於50/60Hz正弦波的性能。如果施加 的過載電壓後,則可能會導致故障。 Test equipment for ac withstanding voltage should be used with the similar to 50/60Hz sine wave. If the distorted sine wave or overlo voltage value is applied, a defect may be caused. 電壓外加方法	e performance of	the wave
	Voltage applied method 測試耐電壓時, 電容器的引線或端子應與耐電壓測試設備的輸出端連接牢固; 試電壓(速度150V/s)。 When the withstanding voltage is applied, capacitor's lead or term connected to the output of the withstanding voltage test equipment should be raised from near zero to the test voltage (rising speed 如果測試電壓不從近零逐漸提高而是直接施加在電容器上, 則施加時應包含過 應降到近零; 然後再將電容器引線或端子從耐電壓測試設備的輸出端取下。 If the test voltage without the raise from near zero voltage would	minal should be t t, and then the v 150V/s). 國零點。測試結束時 d be applied dire	firmly voltage 寺, 測試電壓 ectly to
	capacitor, test voltage should be applied with the zero cross. At the test voltage should be reduced to near zero, and then capacito be taken off the output of the withstanding voltage test equipment 如果測試電壓不從近零逐漸提高而是直接施加在電容器上,則可能會出現浪漫 If the test voltage without the raise from near zero voltage would capacitor, the surge voltage may arise, and therefore, a defect may be caused. 過零點是指電壓正弦通過OV的位置。參見右圖。 Zero cross is the point where voltage sine wave passes OV. See figure at right.	or's lead or terr t. 勇電壓,從而導致故 d be applied dire	ninal should 故障。 ectly to <sup>电压正弦波</sup> tage sine wave

Dar	onic <sup>®</sup>	編號DOC NO.:	DEC-SA-WI001
<i>v</i> ers		版本REV.:	B/0
	安規陶瓷電容器規格承認書	日期DATE:	2021/3/17
APPRO	VAL SPECIFICATION FOR SAFETY CERAMIC CAPACITORS	頁碼PAGE:	10 / 12
5.5.	失效安全性 Fail-safe 電容器損壞時,失效可能會導致短路。爲了避免在短路時引起觸電、冒煙、> 用熔絲等元件來設置自動防故障功能。 When capacitor would be broken, failure may result in a short circ appropriate fail-safe function like a fuse on your product if fail electric shock, fire or fuming.	cuit. Be sure to	provide an
5.6.	電容器容量變化 Capacitance change of capacitors		
5.6.1.	SL特性 SL char. 電容量可能會因環境溫度或外加電壓而發生輕微變化。若要將本產品用於嚴格 聯系 Capacitance might change a little depending on a surrounding tempe	erature or an app	
5.6.2.	voltage. Please contact us if you use for the strict constant time Y5P、Y5U、Y5V特性 Y5P, Y5U、Y5V特性 Y5P, Y5U, Y5V char. 電容器具有老化特性; 因此, 電容器若長時間使用, 其靜電容量會逐漸降低。 境溫度或外加電壓而發生巨大變化。所以不適合用於時間常數電路。 Capacitors have an aging characteristic, whereby the capacitor cor capacitance slightly if the capacitor is left on for a long time. change greatly depending on the surrounding temperature or an appl likely to be suitable for use in a constant time circuit. 若需詳情, 請與我公司聯系。 Please contact us if you need detailed information.	而且,靜電容量遠 ntinually decreas Moreover, capaci	ses its itance might
5.7.	使用設備檢查 Performance check by equipment 使用電容器之前,請先檢查設備的性能和特性沒有問題。 Before using a capacitor, check that there is no problem in the ed 一般而言, 二類瓷(Y5P、Y5U、Y5V特性)陶瓷電容器的靜電容量具有電壓相 其電容值可能會隨設備的工作條件而發生變化。因此, 一定要確認儀器接收性 的影響, 如漏電流和靜噪特性。 Generally speaking, class 2 (Y5P, Y5U, Y5V char.) Ceramic capacitor characteristics and temperature dependence characteristics in capa capacitance value may change depending on the operating condition	I關特性和溫度相關 生能對電容器的靜電 ors have voltage acitance. So, the	特性。所以, 容量值變化 dependence
5.8.	Therefore, be sure to confirm the apparatus performance of receive capacitance value change of a capacitor, such as leakage current a 此外,必要時還要檢查電容器在設備中的防電湧性能,因爲通過電路的感應, Moreover, check the surge-proof ability of a capacitor in the equi- the surge voltage may exceed specific value by the inductance of the properting and storage environment 電容器絕緣包封層不是完美的密封形式,因此,請勿將電容器存放在腐蝕性氣 、酸、堿、鹽等場所,同時應防潮。 The insulating coating of capacitors does not form a perfect seal store capacitors in a corrosive atmosphere, especially where chlor alkali, salt or the like are present. And avoid exposure to moisture	and noise suppres 浪湧電壓可能會超 ipment, if needed the circuit. 氣體中, 尤其是存在 ; therefore, do r ride gas, sulfide	ssion 强過規定值。 J, because E氯氣、硫氣 not use or
	在對本產品進行清洗、焊接或成型前,請先在指定設備上測試經清洗、焊接 述過程不會影響產品質量。 Before cleaning, bonding, or molding this product, verify that the product quality by testing the performance of a cleaned, bonded or intended equipment.	ese processes do r molded product	not affect in the
E O	電容器應存放在溫度及相對濕度分別不超出5~40°C及15~70%範圍的場所。 Store the capacitors where the temperature and relative humidity of degrees centigrade and 15 to 70%. Use capacitors within 6 months a	do not exceed 5 t	
5.9. 5.9.1.	焊錫和安裝 Soldering and mounting 振動與碰撞 Vibration and impact		

Sore		編號DOC NO.: DEC-SA-WI001
Ders	ronic	版本REV.: B/O
	安規陶瓷電容器規格承認書	日期DATE: 2021/3/17
APPRO	VAL SPECIFICATION FOR SAFETY CERAMIC CAPACITORS	頁碼PAGE: 11 / 12
5.9.2.	使用時請勿使電容器受到過度沖擊或振動。 Do not expose a capacitor or its lead to excessive shock or vibrat 焊錫 Soldering 當在PCB/PWB焊錫這個產品時,不要超過電容器的焊錫耐熱性標準(260°C, 部焊錫熔化,可能導致熱沖擊而使陶瓷介質出現暗裂。 When soldering this product to a PCB/PWB, do not exceed the solder specifications (260°C, 5s) of the capacitor. Subjecting this product could melt the internal junction solder and may result in thermal ceramic element.	5s)。過度的熱量會使電容器内 r heat resistance uct to excessive heating
	Temperature (°C) Preheatin Temperature: Room tempe Time : 120 sec max	erature to 130°C Gradual cooling
		260°C max, 5 sec max
		Time (sec)
	Fig.: Wave-soldering t	temperature-time profile to recommend
5.9.3.	當使用烙鐵進行手工焊錫時,應該遵照下列條件: When soldering capacitor with a soldering iron, it should be perform conditions. 焊錫溫度: 320°C最大 Temperature of iron-tip: 320 degrees C. Max. 烙鐵頭: 不超過40W Soldering iron wattage: 40W max. 焊錫時間: 不超過3.0秒 Soldering time: 3.0 sec. Max. 壓焊、樹脂塗層與包封 Bonding, resin molding and coating 在壓焊、樹脂塗層和封膜之前,請先使用指定設備確認對產品沒有影響,然行 Before bonding, molding or coating this product, verify that these the quality of capacitor by testing the performance of the bonded in the intended equipment. 在粘合、樹脂塗層、封膜的幹燥、硬化條件使用到有機溶劑(乙酸乙酯、甲基 電容器的包封樹脂,而造成短路不良。 In case the amount of applications, dryness/hardening conditions of resins containing organic solvents (ethyl acetate, methyl ethyl ke unsuitable, the outer coating resin of a capacitor is damaged by may result, worst case, in a short circuit. 粘合、樹脂塗層、封膜厚度的偏差可能會在冷卻與加熱過程中使電容器的包封 The variation in thickness of adhesive, molding resin or coating of resin cracking and/or ceramic element cracking of a capacitor in a 清洗(超聲波清洗) Cleaning (ultrasonic cleaning) 要進行超聲波清洗,應遵守下列條件。 To perform ultrasonic cleaning, observe the following conditions. 清洗槽容量: 每升輸出功率20瓦特或以下。 Rinse bath capacity: output of 20 watts per liter or less. 清洗時間: 最多5分鐘。	後再進行使用。 e processes do not affect , molded or coated product 基乙酮、甲苯等),可能會破壞 of adhesives and molding etone, toluene, etc.) Are the organic solvents and it 时樹脂和/或陶瓷介質破裂。 may cause outer coating
	Rinsing time: 5 min. Maximum. 不得直接振動 pcb/pwb。 Do not vibrate the pcb/pwb directly. 過度的超聲波清洗會導致導線的過載損壞。 Excessive ultrasonic cleaning may lead to fatigue destruction of f	the lead wires.



Snipped length

Height of kink

Coating rundown on lead

L

С

Κ

11.0

3.0

5.0

max

max

max

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Safety Capacitors category:

Click to view products by Dersonic manufacturer:

Other Similar products are found below :

 R49AN347000A1K
 B32022B3223K026
 B32912A3104K026
 46KI3470DQM1K
 B32913A3154K
 MKPY2-.02230020P15
 46KN333000M1M

 DE1E3KX222MJ4BN01F
 46KN347000M1M
 46KR422000M1K
 B32924C3824K189
 46KI3100DQM1M
 HUB2200-S
 HUB820-P
 BFC2

 33910103
 46KN3330JBM1K
 463I333000M1K
 46KF2470JBN0M
 46KF268000M1M
 46KI22205001M
 46KI24705201K
 46KI2470CK01M

 46KI2470ND01K
 46KI2680JH01M
 46KI315000M2K
 46KI3150CKM2K
 46KI3150NDM2M
 46KI3220JLM1M

 46KN3150JH01K
 46KN34705001K
 46KN347050N0K
 46KN3470JHP0M
 46KN410040H1M
 46KW510050M1K

 474I24700003K
 PHE840MD6220MD13R30
 PHE840MY6470MD14R06
 PHE845VD5470MR06
 R463N4100ZAM1K
 46KR410050M1K

 YV500103Z060B20X5P
 MKPX2R-1/400/10P27
 YP500101K040B20C2P
 YU0AH222M090DAMD0B
 LS1808N102K302NX080TM

 ERK610Z472MCRU
 R463F210000N0K
 R463I26800001K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K
 K