



成品型號: SHT202K4BA0

版次: 0

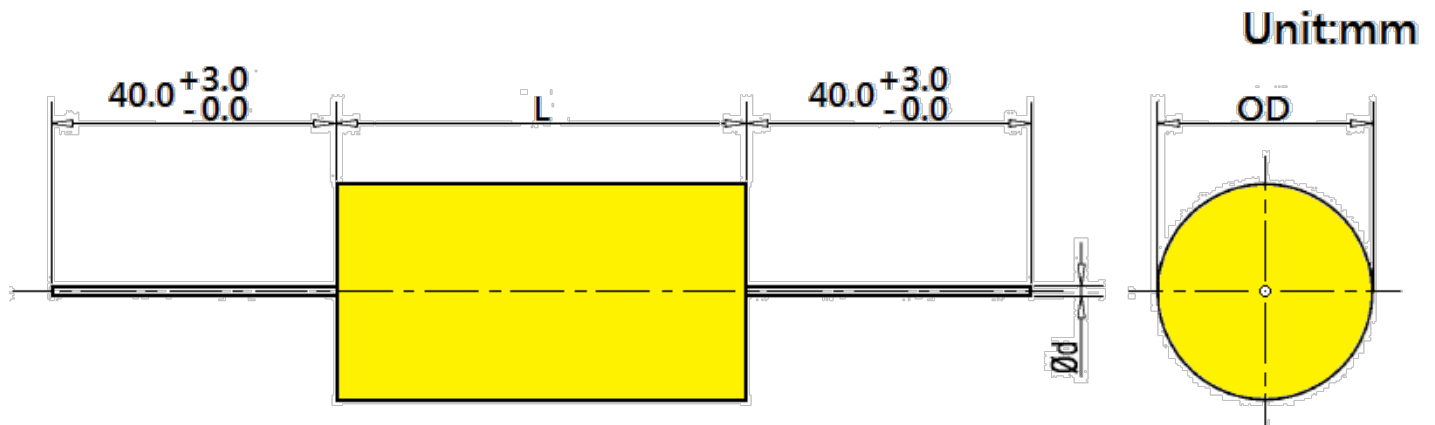
日期: 2022/05/19

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制訂者	版本	制訂日期	修訂說明
劉亦婷	0	2022/05/19	首次發行
核准		審核	制訂
陳勝傑		蔡育君	劉亦婷



Metallized Polypropylene Film Capacitor.
TYPE : SHT202K12000VDC



TYPE	SHT	
DIMENSIONS	Unit	mm
CAPACITANCE	μF	0.002
Voltage	VDC	12000
Max. Insulation Resistance	IR	$C < 0.33 \mu\text{F} > 100,000\text{M}\Omega$ $C > 0.33 \mu\text{F} > 30,000\text{M}\Omega$



- 1.Part Name: Metallized Polypropylene Film/ Double film Capacitor.
 2.Type: SHT (White Polypropylene film covering/Tubular, Axial leads)
 3.Working Voltage: 12000(4B) VDC
 4.Capacitance Range: 0.002 μ F
 5.Capacitance Range Tolerance: K ($\pm 10\%$)
 6.Temperature Range: - 55 $^{\circ}$ C -- +105 $^{\circ}$ C
 7.Characteristics

ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
1.	Dielectric Strength (Between Terminals)	No damage	R.V $\times$ 150% VDC For 2 Sec 25 $^{\circ}$ C
	Test voltage between terminals and case (Utc)		3kV 1Khz applied for 60s at 25 $\pm$ 5 $^{\circ}$ C
2.	Insulation Resistance (Between Terminals)	C < 0.33 μ F >100,000M Ω C > 0.33 μ F >30,000M Ω	Measured at 100VDC after 1 minute. between terminals, at 25 $\pm$ 5 $^{\circ}$ C.
3.	Capacitance	Within the specification	Measured with frequency 10Khz and AC volatge less than 6V.
4.	Disspation factor	$\tan \delta < 0.1\%$	
5.	Tensile strenght of terminations	No damage	Loading force in dending the lead to 90 of the body. 1.0-1.2
6.	Vibration	No opening and short happened No damage in element junction and appearance.	10 – 55Hz 1.5 mm amplitude 3 direction 2H Per direction.
7.	Solderability	Good tinning, by eye measurement more than 3/4 of circumference is covered with new solder	Solder temp. 260 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C dwell time 3 $\pm$ 0.5 Sec
8.	Cold	Capacitance change within + 3 -0% of 25 $^{\circ}$ C	At -55 $^{\circ}$ C no Voltage applied
9.	Heat	Capacitance change within + 0 -5% of 25 $^{\circ}$ C	At + 105 $^{\circ}$ C no Voltage applied



ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
10.	Humidity life test	Appearance : No damage Dielectric strength : No damage IR : > 30% of initial value cap. change $\leq 5\%$ of initial value $\tan\delta < 0.1\%$	Temp. and humidity 40°C 90 - 95% R.H. add W.V. for 500H then keep 16H under room temp.
11.	Heat life test	Appearance : no damage IR : > 50% of Specified Value cap. change : $\leq 3\%$ of initial value $\tan\delta < 0.1\%$	Add 125% of W.V. 105°C -5% after 3,000 hours at Urms or after 5,000 hours at Ur
12.	Sort test	Appearing : No damage Dielectric strength : No damage Capacitance : within the specific cation D.F : within the specification	Vms $\times\sqrt{2}$ VDC for 3~5 Times discharge.
13.	Epoxy resin filled	Epoxy resin will not overflow The bottom of UL94-V0 flame resistant tape.	By vernier measurement
14.	A storage needs to be kept indoors at -10~+40°C and relative humidity of under 75% without any sudden temperature changes, direct sunlight and corrosive gas around.		

8.Making

- a. w.v.
- b. Capacitance
- c. Capacitance tolerance
- d. Trading mark

9.Terminal & Dimension

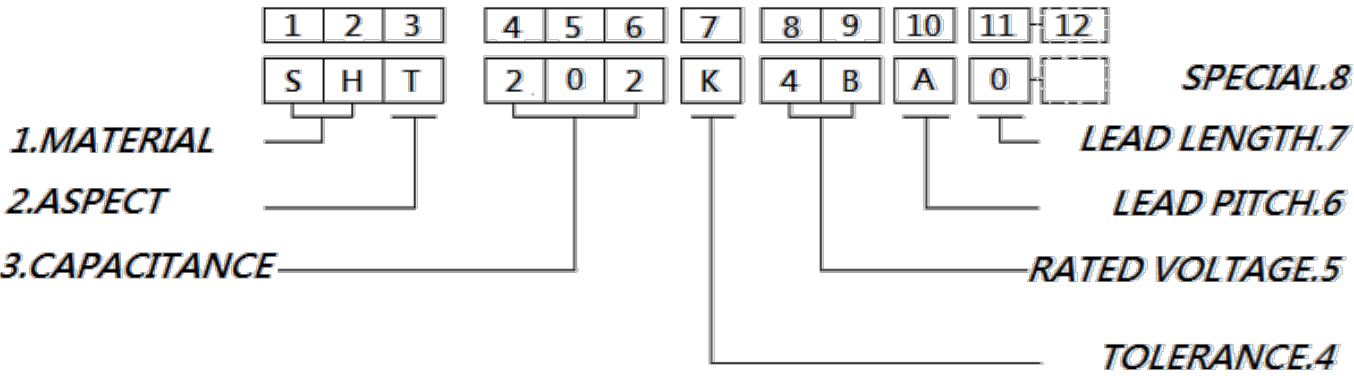
PART NO.	VOLTAGE	CAPACITANCE		DIMENSION				
		SYMBOL	μF	L	OD	d	DV/DT v/ μs	I Peak Amps
SHT202K4BA0	12000VDC	202	0.002	67.0	15.0	1.0	7200	24



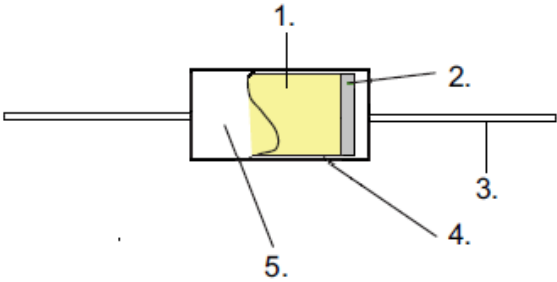
FLYiNG 汎翊國際有限公司		臥式(圓形)電容器規格書	
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10. PART NO.

HOW TO ORDER(AIDComputer CODE)

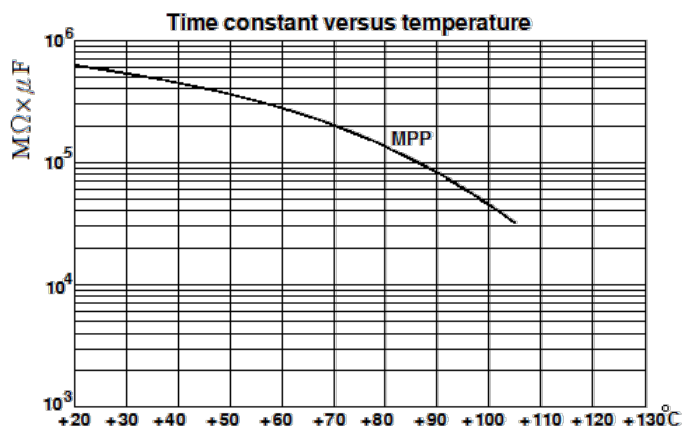
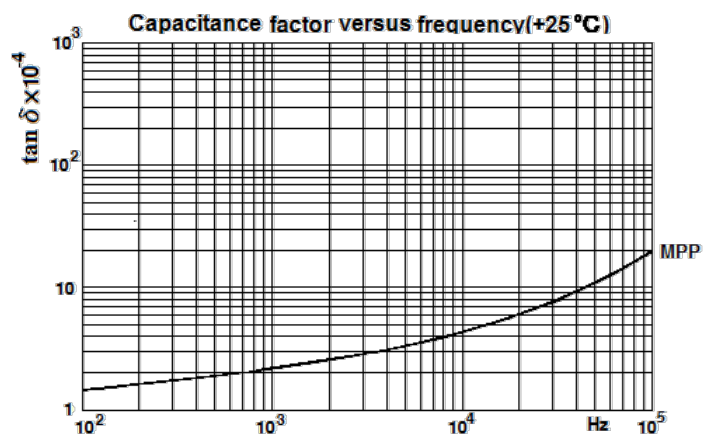
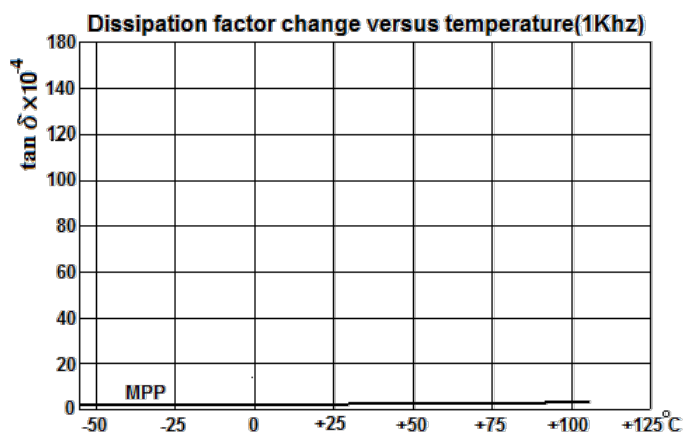
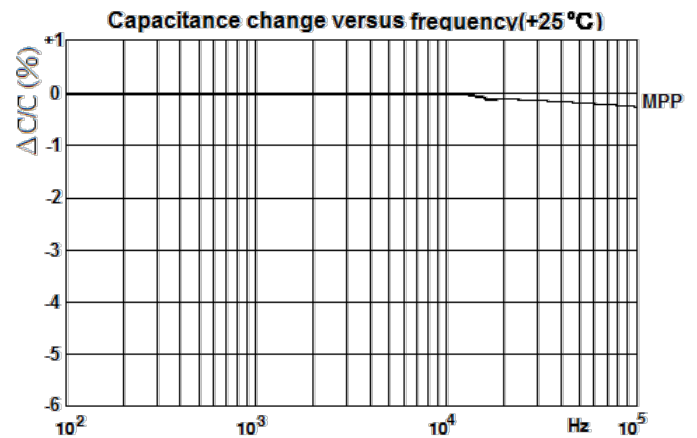
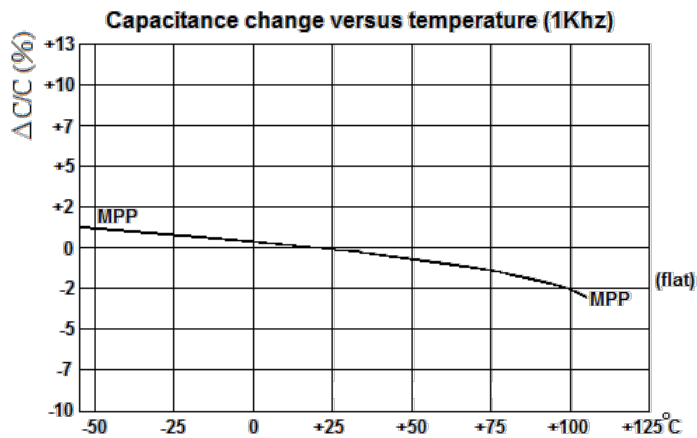


1.	DIELECTRIC	Metallized Polypropylene Film
2.	METAL SPRAY	Special Solder
3.	LEAD WIRE	Copper-clad Steel Wire
4.	Flame retardant resin	UL 94-V0
5.	Flame retardant insulating tape	PBT UL 94-V0





TEMPERATURE AND FREQUENCY CHARACTERISTICS



MPP= metallized polypropylene



FLYiNG 汎翊國際有限公司		臥式(圓形)電容器規格書	
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QMFZ2.E154421

Plastics - Component

Additional information regarding this certification can be found in UL's iQ Family of Databases
(www.ul.com/iq).

NEW -- for additional information concerning the individual material, click on the material designation.

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Plastics - Component

[See General Information for Plastics - Component](#)

KO HO CHEMICAL CO LTD

E154421

13 ERH KAN RD

SAN KAN HSIANG WAI PU

TAI CHUNG, 438 TAIWAN

									H	D	
		Min.		H	H	R T I			V	4	C
		Thk	Flame	W	A	Elec	Mech		T	9	T
Material Dsg	Color	mm	Class	I	I		Imp	Str	R	5	I
Epoxy Potting Compound (EP - Potting), "Epoxy Resin", furnished as two liquid components.											
9824(#) A/B	ALL	0.78	V-0	-	-	90	90	90			

(#) - May be replaced with two alphanumeric characters designating color.

Marking: Company name and material designation on container, wrapper or finished part.

[Last Updated](#) on 2008-08-26



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OANZ2.E117836 - Insulating Tape - Component



ONLINE CERTIFICATIONS DIRECTORY

**OANZ2.E117836
Insulating Tape - Component**[Page Bottom](#)**Insulating Tape - Component**[See General Information for Insulating Tape - Component](#)

PANTECH TAPE CO LTD
8 ALLEY 98, LANE 800
CHUNG-SHAN SOUTH RD
YANGMEI, TAOYUAN 326 TAIWAN

E117836

Polyethylene Terephthalate insulating tape with acrylic adhesive, Cat. No. 13*(a), rated 130 C.

Polyethylene Terephthalate insulating tape with acrylic adhesive, Cat. No. 25(b), rated 130 C.

Polyethylene Naphthalate insulating tape with acrylic adhesive, Cat. Nos. 154, 155*, rated 155 C.

Polyimide insulating tape with acrylic adhesive, Cat. No. 83*, rated 155 C.

Polyimide insulating tape with silicone adhesive, Cat. No. 200*, rated 200 C.

Polyimide (KAPTON) film insulating tape with silicone adhesive, Cat. No. 220*, rated 200 C.

* - Complies with "Flame Retardant" requirements when so marked.

(a) Markings may contain the following ratings. Markings shall be verbatim: "Comparative Tracking Index (CTI) Adhesive Side only, CTI performance Level Category PLC = 0, Voltage 600, per UL 746A/ASTMD 3638", "CTI 600 per IEC112, First Edition (1979), CTI Material Group I", or equivalent.

(b) - Comparative Tracking Index (CTI) film side: "CTI Performance Level Category PLC=3, Voltage 225, per UL 746A/ASTMD 3638", and/or "CTI 225(200)-1.17 per IEC112, First Edition (1979), CTI Material Group IIIa", or equivalent.

Marking: Company name or "E117836" and catalog designation printed on central paper core or outer package.

[Last Updated](#) on 2010-05-04

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