



FLYiNG 汎翊國際有限公司

臥式(圓形)電容器規格書

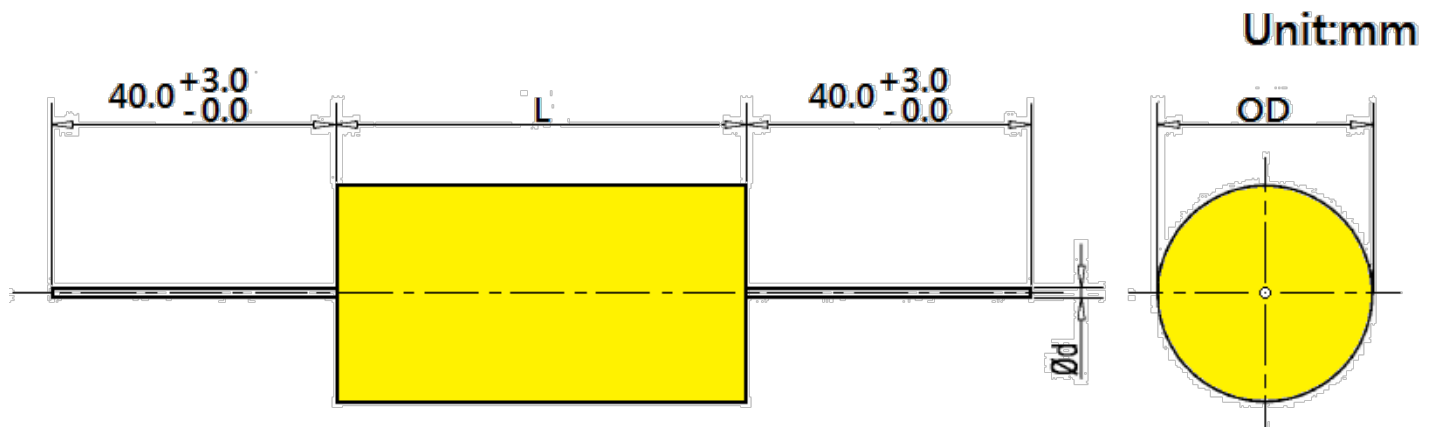
成品型號: **SHT**472K4BA0
SHT203K4BA0
SHT403K4BA0

版次: 0

日期: 2022/05/13

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制訂者	版本	制訂日期	修訂說明
劉亦婷	0	2022/05/13	首次發行
核准		審核	制訂
陳勝傑		蔡育君	劉亦婷

**Metallized Polypropylene Film Capacitor.**TYPE : **SHT**472K12000VDC**SHT**203K12000VDC**SHT**403K12000VDC

TYPE	SHT	
DIMENSIONS	Unit	mm
CAPACITANCE	μF	0.0047 、 0.02 、 0.04
Voltage	VDC	12000
Max. Insulation Resistance	IR	$C < 0.33 \mu\text{F} > 100,000\text{M}\Omega$ $C > 0.33 \mu\text{F} > 30,000\text{M}\Omega$



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- 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: 0.0047 μ F、0.02 μ F、0.04 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 $^{\circ}$ 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. 1.2
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



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ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
10.	Humidity life test	Appearance : No damage Dielectric strength : No damage IR : > 30% of initial value cap. change ≤ 5% of initial value tanδ < 0.1%	Temp. and humidity 40℃ 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 : ≤ 3% of initial value tanδ < 0.1%	Add 125% of W.V. 105℃ -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×√2VDC 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℃ 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

AD 472K
12KVPM

AD 203K **AD** 403K
12KVPM 12KVPM

PART NO.	VOLTAGE	CAPACITANCE		DIMENSION				
		SYMBOL	μF	L	OD	d	DV/DT v/μs	I Peak Amps
SHT 472K4BA0	12000VDC	472	0.0047	67.0	17.0	1.2	7200	26.6
SHT 203K4BA0	12000VDC	203	0.02	67.0	21.0	1.2	2000	100
SHT 403K4BA0	12000VDC	403	0.04	67.0	36.0	1.2	3300	72.6



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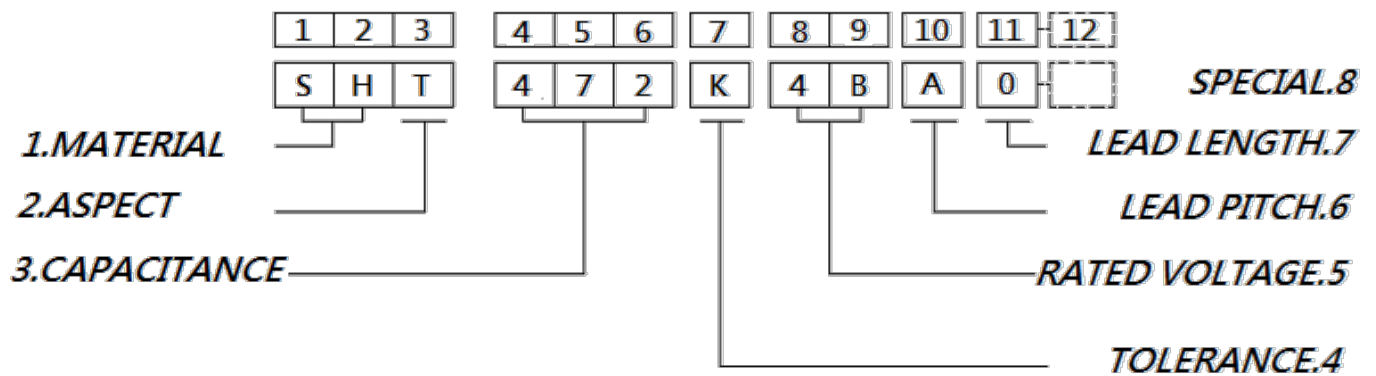
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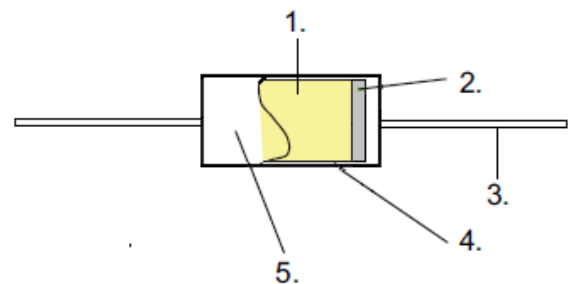
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10. PART NO.

HOW TO ORDER(AID Computer CODE)

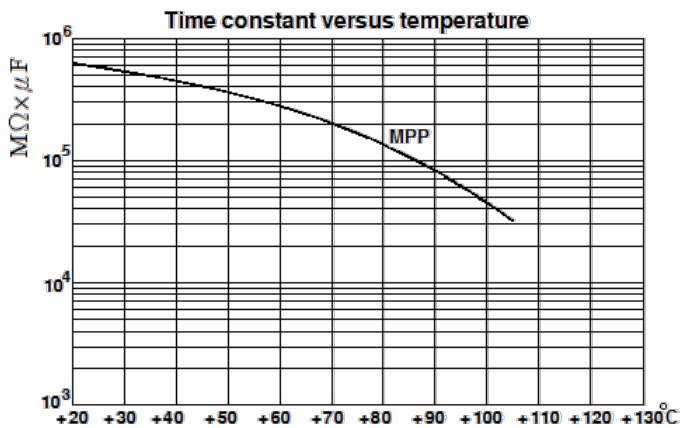
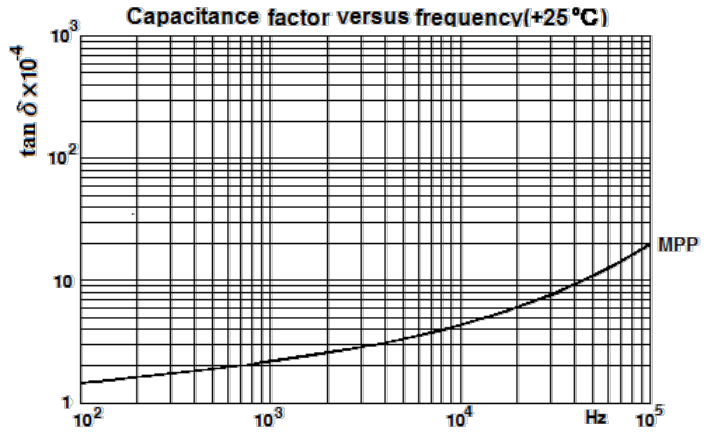
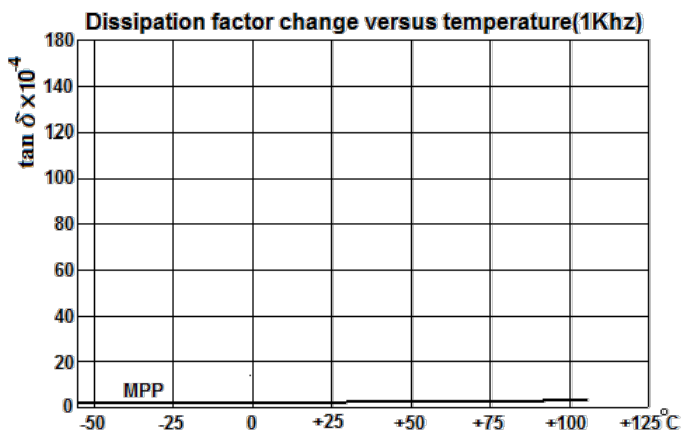
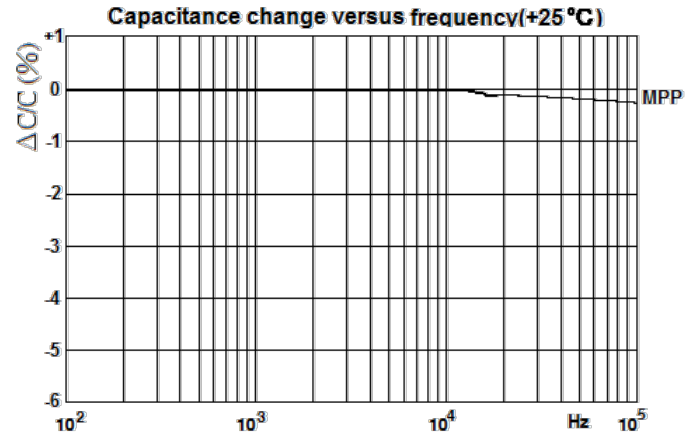
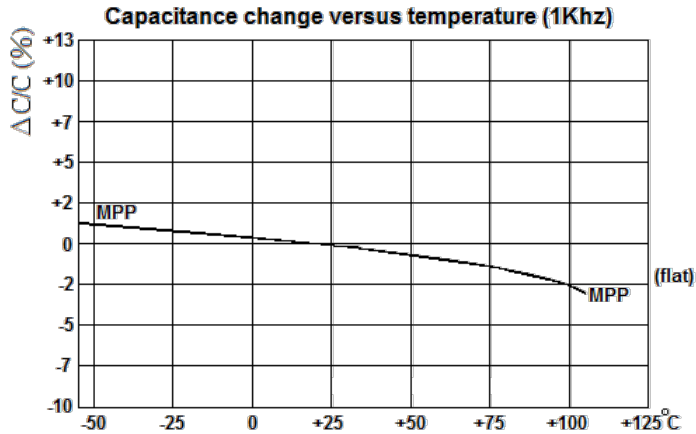


1.	DIELECTRIC	Metallized Polypropylene Film
2.	METAL SPRAY	Special Solder
3.	LEAD WIRE	Copper-clad Steel Wire
4.	Flame retardant resin	UL 94-V0
5.	Flame retardant insulating tape	PBT UL 94-V0





TEMPERATURE AND FREQUENCY CHARACTERISTICS



MPP= metallized polypropylene



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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.

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