

岱恩電子工業股份有限公司

DAIN ELECTRONICS CO., LTD

承認書 (APPROVAL SHEET)

(Type MPP)

品名
PART NAME METALLIZED POLYPROPYLENE FILM CAPACITOR

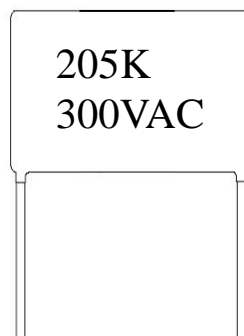
承認規格
APPROVE ITEM MPP 205K/300VAC P=22.5 L=4mm

岱恩料號
DAIN PART NO SMPPF205K0300AK2304

客戶名稱
CUSTOMER

客戶料號
PART NO

送樣承認日期
DATE 2016-07-21



產品尺寸及印字樣式 W:25.0 H:25.0 T:12.5 (Max) A:4 D:0.8

承認印
APPROVAL STAMP

供應商
VENDER

客戶
CUSTOMER



文件名稱

MPP(AC) Approval Sheet
(Metallized Polypropylene Film
Capacitor(For AC Voltage))

文件編號

WD-AP-04

頁次

07/01

1. Scope :

This specification applied to capacitor for type MPP-AC(Metallized Polypropylene Film Capacitor)

2. Temperature

2-1 Rated Temperature : 85°C

2-2 Rated Temperature Range : -40 ~ +105 (+85°C to +105°C decreasing factor 1.25% per °C for VR(AC))

3. Capacitance Range :

0.001uF ~ 6.8 uF

4. Capacitance Tolerance :

±2%(G) 、 ±3%(I) 、 ±5%(J) 、 ±10%(K) 、 ±20%(M)

5. Rated Voltage :

125VAC 、 250VAC 、 275VAC 、 400VAC 、

6. DAIN Part No. :

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 1 2 3 4 5 6 7 8 9
 (tape) (Internal use) (capacitance) (tolerance) (rated voltage) (Dc/Ac) (lead forming) (lead pitch) (lead length)

6-1 tape :

Code	SMPP	SMPA	SMPT	SMEF	SMET	SMEA	SPPS
Tape	MPP	MPA	MPT	MEF	MET	MEA	PPS

6-2 Internal use

6-3 Capacitance :

Code	102	103	104	105
Capacitance	0.001uF	0.01uF	0.1uF	1uF

6-4 Tolerance :

Code	G	I	J	K	M
Tolerance	±2%	±3%	±5%	±10%	±20%



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WD-AP-04

頁次

07/02

6-5 Rated Voltage : Showing the real working voltage indicated. For example : 0125 -> 125V, 0400 -> 400V ◦

6-6 A→AC

6-7 Lead forming :

Code	B	K	R	U	W	T	S
Lead Forming						TAPING	Customer Special Require

6-8 Lead Pitch : Showing the capacitor lead pitch, For example :

Code	08	10	15	20	28	31
Pitch(mm)	7.5mm	10mm	15mm	20mm	27.5mm	31mm

6-9 Lead length : Showing the capacitor lead Length, For example :

Code	04	08	10	13	23	30	40
Length(mm)	4mm	8mm	10mm	13mm	23mm	30mm	40mm

7. Specifications (IEC60384-16)

No	Test items	Performance	Test Method
7-1	Withstand voltage (Between Terminals)	Shall be no abnormality	$(UR \times 1.414) \times 1.50\%VDC$ Of Rated Voltage, 60sec.
	Between terminal and Enclosure	Shall be no abnormality	$UR \times 200\% + 1000VAC$, 60sec.



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文件編號

WD-AP-04

頁次

07/03

No	Test items	Performance	Test Method
7-2	Insulation resistance (Between Terminals)	$C_R \leq 0.33\mu F$ $IR \geq 15,000M\Omega$ $C_R > 0.33\mu F$ $IR \geq 5,000 M\Omega \div C(\mu F)$	Measured at $100 \pm 15VDC$, For 60sec / $25^\circ C$
7-3	Capacitance	Within the tolerance specified	1KHz, 1Vrms Max. at $25^\circ C$
7-4	Dissipation Factor	0.001 (0.1%) Max.	1KHz, 1Vrms Max. at $25^\circ C$
7-5	Tense Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 1.0 Kg 2. Holding Time : 10 ± 1 sec
7-6	Bending Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 0.5 Kg 2. Bending Time : $4 \times 90^\circ$ in 5sec



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WD-AP-04

頁次

07/04

No	Test items	Performance	Test Method
7-7	Solder-ability	1. Appearance : No Visible Damage 2. Covering an area of > solder 95%	Soldering Peocess 1.Capacitor preheating temperature of T < 120 °C 2.Preheating time capacitor t< 5 min Single wave soldering 1.Solder temperature: 270±5°C 2.Solder time: 2±0.5sec
7-8	Heat Shock test	(1) Appearance : No Visible Damage (2) Withstand Voltage : Normal (3) Capacitance Change : ≤ ±3% of The Initial Value	The terminal of capacitor shall be immersed in the melting solder. a. Solder temperature: 270±5°C b. Solder time: 3±0.5sec c. Test Voltage: 100% of The Rate Voltage For 1min.
7-9	Cold Resistance	(1) Appearance : No Visible Damage (2) Capacitance Change : ≤ 0~ -10% of The Initial Value	a. Test Temperature: -40°C b. Test Times: 2Hrs
7-10	Dry Heat Resistance	(1) Appearance : No Visible Damage (2) Withstand Voltage : Normal (3) Capacitance Change : ≤ +5~ -2% Of The Initial Value	a. TEST TEMPERATURE: 85°C ± 2°C b. Test Times: 2Hrs



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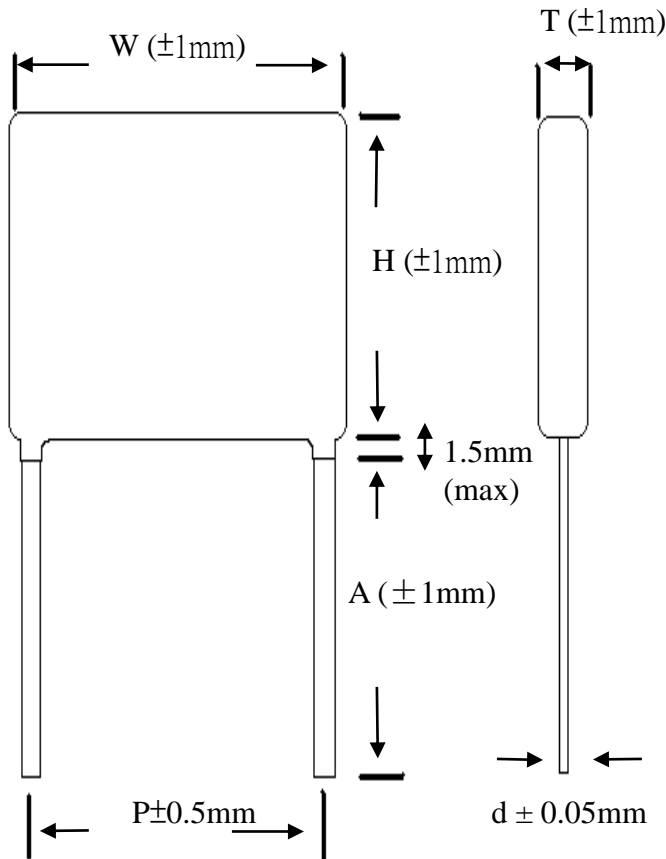
文件編號

WD-AP-04

頁次

07/05

8. Dimensions:



CAPACITOR BODY SIZE (Unit:mm)					
CAP	RV	W (Max)	H (Max)	T (Max)	D (±0.05)
205K	300V AC	25.0	25.0	12.5	0.8

Lead Style

B		K		R		U		W		T		S	
										TAPING (refer to next page)		Customer Require	
CAP	RV	Lead Style		B model-A section(±1mm) K.R.U.W model-A section (±0.5mm)		K.R.U.W model-B section (±0.5mm)				P(±0.5mm)			
205K	300VAC	K		A=4±1						P=22.5			



岱恩電子工業股份有限公司

製作日期

2014-12-15

版本

07

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WD-AP-04

頁次

07/06

9. Marking :



	DAIN CO LOGO
205	CAPACITANCE
K	CAPACITANCE TOLERANCE
300V	RATED AC VOLTAGE
AC	For AC Voltage

11.Storage conditions and duration

Packaged capacitors should be kept in clean, ventilated, dry coffers, not near the heat source, not subject to direct sunlight, is strictly prohibited and chemical reagents, acid and harmful gas storage together.

Capacitor at a temperature within the range 20 ~ 25 °C, humidity less than 50% of the state of storage for one year.