

 威迪電子(東莞)有限公司		制作日期	2013-9-3	版本	01
文件名稱	MTP(DC) Approval Sheet (Highly Voltage Mini Size Metallized Polypropylene Film Capacitor)	文件編號	WD-AP-27	頁次	07/01

1. Scope :

This Highly Voltage Mini Size Metallized Polypropylene Film Capacitor for type MTF

2. Operation Temperature :

-40°C ~ +85°C

3. Capacitance Range :

0.1uF ~ 2.2 uF

4. Capacitance Tolerance :

±5%(J) 、 ±10%(K)

5. Rated Voltage :

400VDC(2G) 、 450VDC(2Y)

6. Winday 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	SMTP	SMEF	SMEM	SMPP	SPEN	SPPN	SPPS	SMXY	SMEC	SMET
Tape	MTP	MEF	MEM	MPP	PEN	PPN	PPS	X2	MEC	MET

6-2 Internal use

6-3 Capacitance :

Code	104	225
Capacitance	0.1uF	2.2uF

6-4 Tolerance :






Code	J	K
Tolerance	±5%	±10%

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6-5 Rated Voltage : Showing the real working voltage indicated. For example : 0400 -> 400V, 0450 -> 450V ◦

6-6 D→DC ; 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	10	15	20	23
Pitch(mm)	10mm	15mm	20mm	22.5mm

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 (IEC60384-2)

No	Test items	Performance	Test Method
7-1	Withstand voltage (Between Terminals)	Shall be no abnormality	175% Of Rated Voltage, 10sec.
	Between terminal and Enclosure	Shall be no abnormality	UR×200%+1000VDC, 60sec.

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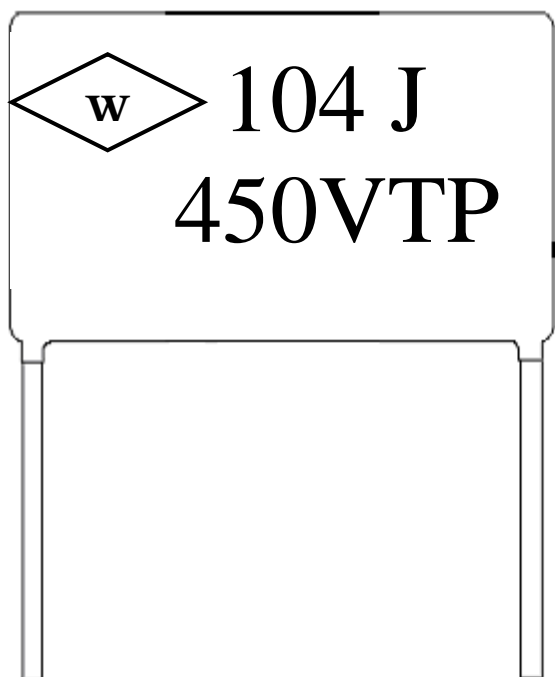
No	Test items	Performance	Test Method
7-2	Insulation resistance (Between Terminals)	$C_R \leq 0.33\mu F$ $IR \geq 9000M\Omega$ $C_R > 0.33\mu F$ $IR \geq 3,000 (M\Omega \cdot \mu F)$	Measured at $100 \pm 15VDC$, For 60sec / $25^\circ C$
7-3	Capacitance	Within the tolerance specified	1KHz, 1Vrms Max. at $25^\circ C$
7-4	Dissipation Factor	0.1 %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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No	Test items	Performance	Test Method
7-8	Solder-ability	75% Of The Surface Tinning	a. Solder temperature: 270±5°C b. Solder time: 2±0.5sec
7-9	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: 150% of The Rate Voltage For 1min.
7-10	Cold Resistance	(1) Appearance : No Visible Damage (2) Capacitance Change : ≤ 0~ -5% of The Initial Value	a. Test Temperature: -40°C b. Test Times: 2Hrs
7-11	Dry Heat Resistance	(1) Appearance : No Visible Damage (2) Withstand Voltage : Normal (3) Capacitance Change : ≤ +5~ -2% Of The Initial Value (4) Insulation Resistance: C _R ≤ 0.33uF IR ≥ 2,700MΩ C _R > 0.33uF IR ≥ 900 MΩ	a. TEST TEMPERATURE: 85°C ± 2°C b. Test Times: 2Hrs

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9. Marking Example :



	WINDAY CO. LOGO
104	CAPACITANCE
J	CAPACITANCE TOLERANCE
450V	RATED VOLTAGE
TP	METALLIZED Polypropylene FILM

10.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.

