

 威迪電子(東莞)有限公司		制作日期	2011-10-26	版本	06
文件名稱	MTF(DC) Approval Sheet (Highly Voltage Mini Size Metallized Polyester Film Capacitor)	文件編號	WD-AP-20	頁次	07/01

1. Scope :

This Highly Voltage Mini Size Metallized Polyester 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. :

                               
  
 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	SMTE	SMEF	SMEM	SMPP	SPEN	SPPN	SPPS	SMXY	SMEC	SMET
Tape	MTF	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	F	G	H	I	J	K	M
Tolerance	±1%	±2%	±2.5%	±3%	±5%	±10%	±20%

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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	1.0 %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 : $10 \pm 1$ 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

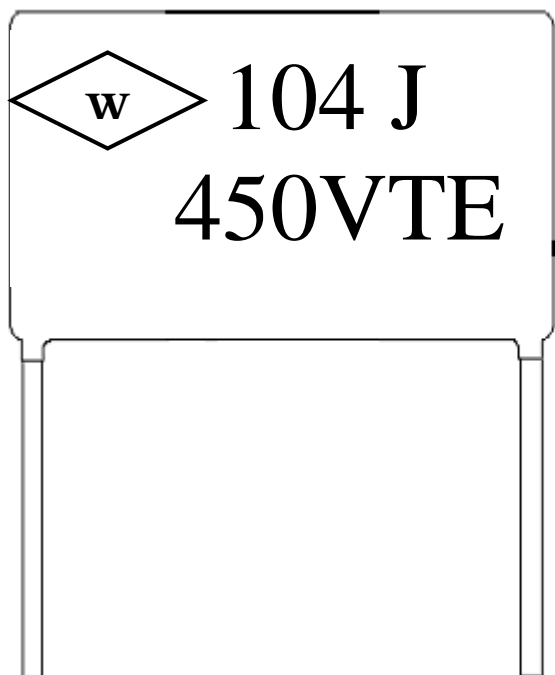
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No	Test items	Performance	Test Method
7-8	Solder-ability	75% Of The Surface Tinning	a. Solder temperature: 270±5°C b. Solder time: 2±0.5sec
7-9	Heat Shock test	(1) Appearance : No Visible Damage (2) Withstand Voltage : Normal (3) Capacitance Change : ≤ ±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 <sub>R</sub> ≤ 0.33uF IR ≥ 2,700MΩ C <sub>R</sub> > 0.33uF IR ≥ 900 MΩ	a. TEST TEMPERATURE: 85°C ± 2°C b. Test Times: 2Hrs



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9. Marking Examlpe :



	WINDAY CO. LOGO
104	CAPACITANCE
J	CAPACITANCE TOLERANCE
450V	RATED VOLTAGE
TE	METALLIZED POLYESTER FILM

10. PACKING :

CAP	R.V.	Pcs / Bag	Pcs/Taping Box ( For Taping Style)	Pcs / Box (L35:Cm XH:35Cm X T:35Cm)

