

 威迪電子(東莞)有限公司		制作日期	2014-9-22	版本	07
文件名稱	MPX Approval Sheet-WINDAY(W) (BOX-TYPE Metallized Polypropylene Film Interference Suppression Capacitor)	文件編號	WD-AP-28	頁次	08/01

1. Scope :

This specification applied to capacitor for type MPX(BOX-TYPE Metallized Polypropylene Film Interference Suppression Capacitor)

2. Operation Temperature :

-40°C ~ +100°C

3. Capacitance Range :

0.0047uF ~ 2. 2uF




4. Capacitance Tolerance :


±5%(J)、±10%(K)、±20%(M)



5. Rated Voltage :

250VAC、275VAC(50~60 Hz)

6. Approvals File No

Related Standard		Certificate No	Approved Monogram
UL	UL 1414 CSAC22.2	E302125	 (USA)
ENEC	EN60384-14: 2006-04 IEC60384-14(ed.3)	40030283	 (EU)
VDE	EN60384-14: 2006-04 IEC60384-14(ed.3)	40018071	 (Germany)

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Related Standard		Certificate No	Approved Monogram
CQC	GB/T14472-1998	CQC05001012269	 (China)
KTL	K60384-14	SU03034-7001 SU03034-7002 SU03034-7003 SU03034-7004	 (South Korea)

7. Winday Part No. :

<u>□□□□</u>	<u>□</u>	<u>□□□□</u>	<u>□</u>	<u>□□□□□</u>	<u>□</u>	<u>□</u>	<u>□□</u>	<u>□□</u>
1	2	3	4	5	6	7	8	9
(tape)	(Internal use)	(capacitance)	(tolerance)	(Box Type)	(Ac)	(lead forming)	(lead pitch)	(lead length)


7-1 tape :

Code	SMXW	SMXY	SMXD
Tape	X2(W)	X2(YYE)	X2(DN)

7-2 Internal use

7-3 Capacitance :

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

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7-4 Tolerance :

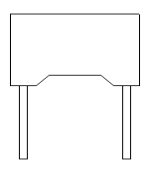
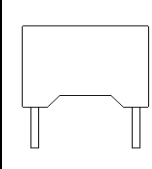
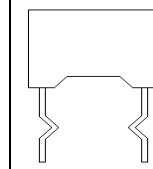
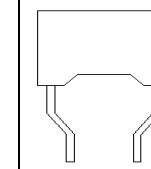
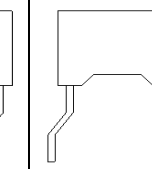
Code	J	K	M
Tolerance	±5%	±10%	±20%

7-5 BOX TYPE:

Code	C1	C2	C3	C4
Size(mm)	13(L) × 4(T) × 9(H)	12(L) × 5(T) × 11(H)	13(L) × 6(T) × 12(H)	13(L) × 7(T) × 13(H)
Code	D1	D2	D3	D4
Size(mm)	18(L) × 5(T) × 11(H)	18(L) × 6(T) × 12(H)	18(L) × 7.5(T) × 13.5(H)	18(L) × 8.4(T) × 14.5(H)
Code	E1	E2	E3	E4
Size(mm)	26.5(L) × 6(T) × 15(H)	26.5(L) × 7(T) × 16.5(H)	26.5(L) × 8.5(T) × 17(H)	26.5(L) × 10(T) × 19(H)
Code	F1	F2	F3	F4
Size(mm)	31.4(L) × 11(T) × 20(H)	31.5(L) × 13(T) × 22(H)	31(L) × 14(T) × 25(H)	32(L) × 9(T) × 18(H)

7-6 A→A

7-7 Lead forming :


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

7-8 Lead Pitch : Showing the capacitor lead pitch, For example :

Code	10	15	23	28	31
Pitch(mm)	10mm	15mm	22.5mm	27.5mm	31mm


7-9 Lead length : Showing the capacitor lead Length, For example :

Code	04	08	10	13	20	30	40
Length(mm)	4mm	8mm	10mm	13mm	20mm	30mm	40mm

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8. Specifications (IEC60384-14)

No	Test items	Performance	Test Method
8-1	Withstand voltage (Between Terminals)	Shall be no abnormality	UR×430%(DC)Test Of60sec.
	Between terminal and Enclosure	Shall be no abnormality	UR×200%+1500VAC, 60sec.
8-2	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±15VDC, For 60sec / 25°C
8-3	Capacitance	Within the tolerance specified	1KHz, 1Vrms Max. at 25°C
8-4	Dissipation Factor	0.001 (0.1%) Max.	1KHz, 1Vrms Max. at 25°C

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8-5	Tense Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 1.0 Kg 2. Holding Time : 10 ± 1sec		
8-6	Bending Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 0.5 Kg 2. Bending Time : 4 x 90 ° in 5sec		
8-7	Solder-ability	95% Of The Surface Tinning	a. Solder temperature: 270±5°C b. Solder time: 2±0.5sec		
8-8	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: 150% of The Rate Voltage For 1min.		
8-9	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		
8-10	Dry Heat Resistance	(1) Appearance : No Visible Damage (2) Withstand Voltage : Normal (3) Capacitance Change : ≤ +5~ -2% Of The Initial Value (4) Insulation Resistance: ≥50%of the rated value	a. TEST TEMPERATURE: 100°C ± 2°C b. Test Times: 2Hrs		



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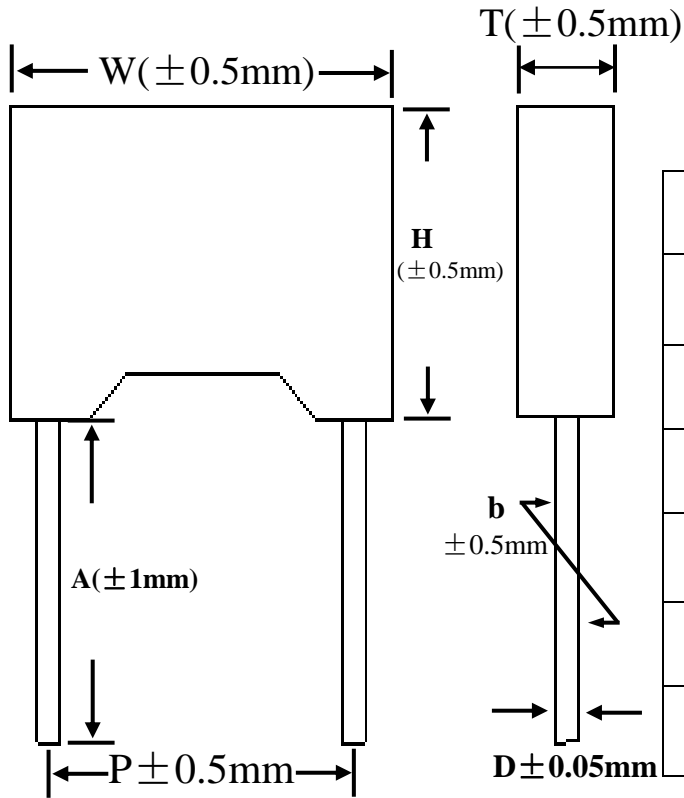
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9. Dimensions:



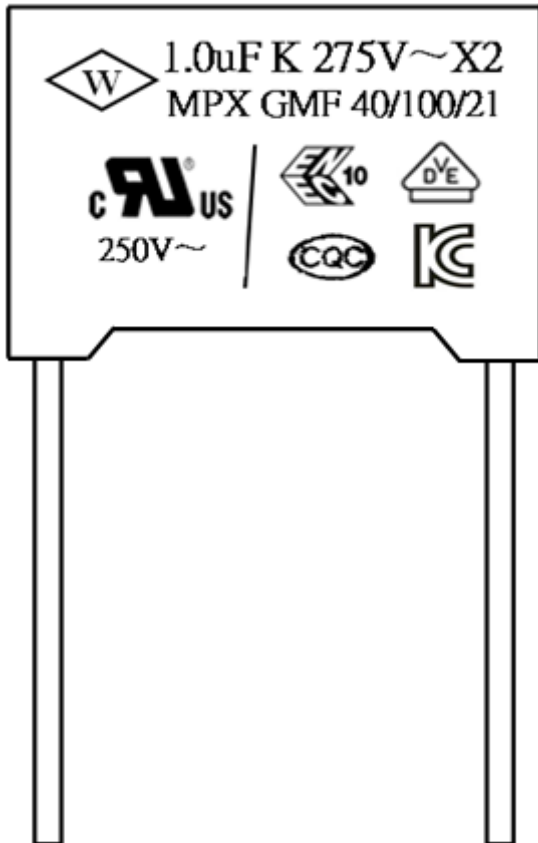
CAPACITOR BODY SIZE (Unit:mm)


CAP	RV	BOX TYPE	W ± 0.5	H ± 0.5	T ± 0.5	D ± 0.05	b ± 0.5

B	K	R	U	W	T	S
					TAPING (refer to next page)	Customer Require
CAP	RV	Lead Style	B model-A section $\pm 1\text{mm}$ K.R.U.W model-A section $\pm 0.5\text{mm}$	K.R.U.W model-B section $\pm 0.5\text{mm}$		

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10. Marking Example :



	WINDAY CO. LOGO
1.0UF	CAPACITANCE
K	CAPACITANCE TOLERANCE
275	RATED VOLTAGE
V~	AC VOLTAGE
X2	BOX-TYPE METALLIZED POLYPROPYLENE FILM
GMF 40/100/21	G-Working Lowest Temperature (- 40°C) M-Working highestTemperature(+100°C) F- Working Times (21days)

11. PACKING :

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

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12. Sample Test Record :

CUSTOMER	WD	P/N	Part name				QUAN TITY				
	TDI	P/N	Description								
SMPLING	MILSTD-1916DOL-UOS-OFULL INSP				VL 允收水準		N /	A /	R		
PLAN					Electricity:IV		/	/			
					Apperance: IV		/	/			
Sample no	Sepc limit		One	Two	Three	Four	Five	Six	Seven	Eight	
Capacitance value	()-()NF										
Dissipatancefactor	≥ ()%										
Voltage Proof	()VDC For60Sec										
Insulation resistance	≥()MΩ (100VDC, 60Sec)										
Width	()mm(±0.5mm)										
Height	()mm(±0.5mm)										
Thickness	()mm(±0.5mm)										
Lead Pitch	()mm(±0.5mm)										
Lead Size	()mm(±1mm)										
LeadDiameter	()mm(±0.05mm)										
Test instrument		1V		Solder heat resitance				Soider temperature		270±5°C	
								Dipping time		2±0.5Second	
Test Firequency		1KHz						Dipping depth		>95%	
								result		<input type="checkbox"/> OK <input type="checkbox"/> NG	
Result	<input type="checkbox"/> ROHS		<input type="checkbox"/> ACCEPT				<input type="checkbox"/> REJECT				
Remark											
Examin					Teste						