TENTA

承認書
Specification for approval

环保产品：
RoHS/REACH Compliance

客户
CUSTOMER

大赫科技公司

品名
PART NAME

MPC 0.022UF 800V DC ±5%(J)
MPC 0.68UF 800V DC ±10%(K)

天泰料号
TENTA Material Number

客户料号
CUSTOMER Material Number

承認印 APPROVAL STAMP					
制造商 Manufacturer			客户 Customer		
天泰公司 2014 04 04 品质工程课					
编制/Edition	检查/Checked	确认/Confirmed	承认/Admit	审核/Auditing	批准/Approved
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TENTA ELECTRIC INDUSTRIAL CO., LTD.

METALLIZED POLYPROPYLENE FILM CAPACITORS ……..……MPC

SPECIFICATIONS:

1. OPERATING TEMPERATURE
   -40 to +85℃

2. RATED VOLTAGE
   100, 250, 400, 630V DC 50 ~ 60 Hz

3. CAPACITANCE RANGE
   0.0047μF to 6.8μF

4. DIELECTRIC STRENGTH
   175% of rated voltage for 5 sec.

5. CAPACITANCE TOLERANCE
   ± 5% (J) ± 10% (K)

6. INSULATION RESISTANCE
   C ≦ 0.33 μF IR ≧ 30,000 MΩ
   C > 0.33 μF IR ≧ 10,000 MΩ/ μF
   MEASURED AT 100VDC, 60 SEC. AND 20℃

7. DISSIPATION FACTOR
   Max. 0.1% when measured at 1 kHz & 25℃

8. TENSILE STRANGTH OF ELECTRODES:
   TEST CONDITION
   Load force: 1.0kg
   Holding Times: 10±1 sec.
   TEST CRITERIA
   No wire breakage and no damage of the capacitor.

9. BENDING STRENGTH OF ELECTRODES:
   TEST CONDITION
   Load Force : 0.5kg
   Bending Times: Two consecutive bends(4X90℃) in 5 sec.
   TEST CRITERIA
   No wire breakage and no damage of the capacitor.

10. VIBR ATION RESISTANCE:

TEST CONDITION

Frequency cycle : 1 minute per cycles 10-55-10Hz

Test Duration: Perpendicular direction with the same method for 45 minutes esth, total of 90 mimutes.

TEST CRITERIA

(1) Appearance : No visible damage

(2) Contact: Normal

11. SOLDERABILITY:

TEST CONDITION

Solder Bath Temperature: 260±5℃

Solder Time: 2±0.5 sec.

TEST CRITERIA

3/4 of the surface tinning

12. HEAT SHOCK TEST:

TEST CONDITION

The Electrodes of capacitor shall be immersed in the emitting solder.

Solder Bath Temperature : 260±5℃

Solder Time: 3±0.5sec.

Testing Voltage: 175% of the rated voltage for 1 minute

TEST CRITERIA

(1) Appearance: No visible damage

(2) Withstand Voltage : Normal

(3) Capacitance Change : ≦±3% of the initial value.

13. COLD RESISTANCE:

TEST CONDITION

Test Temperature : -40 ± 2 ℃

Test Duration: 2 hrs

TEST CRITERIA

(1) Appearance: No visible damage

(2) Capacitance Change : ≦+0%, -5%(-40℃) of the initial value.

14. DRY HEAT RESISTANCE:

TEST CONDITION

Test Temperature : 85 ± 2℃

Test Duration: 2 hrs

TEST CRITERIA(at 85℃)

Capacitance Change : ≦+5%, -2% of the initial value

15. HUMIDITY RESISTANCE:

TEST CONDITION

Test Temperature : 40 ± 2℃

Relative Humidity: 90 to 95%

Test Duration: 240 ± 8 hrs than condition at standard state 16 hrs.

Test Voltage: 175% of the rated voltage for 5 sec

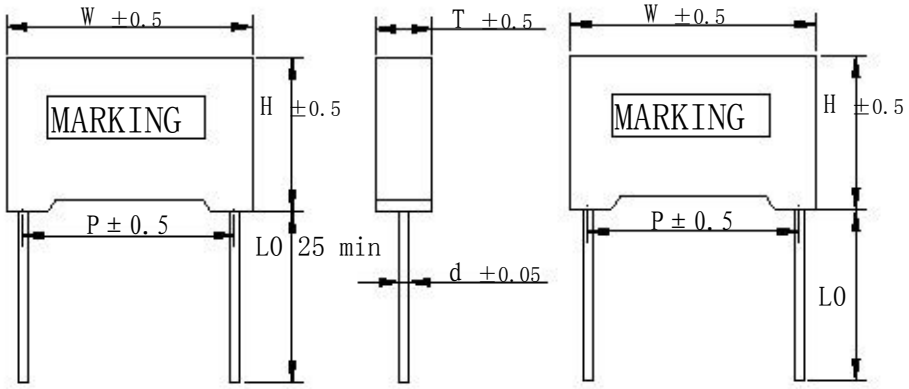
TEST CRITERIA

(1) Appearance: No visible damage

(2) Capacitance Change : ≦ ± 5% of the initial value

(3) IR: Over 3000MΩ/μF

(4) Withstand Voltage : Normal



Pediform.A#(长脚)　　Pediform.E#(短脚)　　(Unit:mm)

Capacitance		2A(100VDC)					2E(250VDC)					2G(400VDC)					2J(630VDC)				
symbo	uF	W	H	T	P	dØ	W	H	T	P	dØ	W	H	T	P	dØ	W	H	T	P	dØ
472	0.0047	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
682	0.0068	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
103	0.01	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
153	0.015	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
223	0.022	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6
333	0.033	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0 18.0	12.0 11.0	6.0 5.0	10.0 15.0	0.6
473	0.047	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8
683	0.068	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0 18.0	12.0 11.0	6.0 5.0	10.0 15.0	0.6 0.8	18.0	13.5	7.5	15.0	0.8
104	0.1	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0 18.0	12.0 12.0	6.0 6.0	10.0 15.0	0.6 0.8	18.0	14.5	8.5	15.0	0.8
154	0.15	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	13.0	7.5	15.0	0.8	18.0 26.5	16.0 16.5	10.0 7.0	15.0 22.5	0.8
224	0.22	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0 26.5	14.5 16.5	8.5 7.0	15.0 22.5	0.8	18.0 26.5	19.0 17.0	11.0 8.5	15.0 22.5	0.8
334	0.33	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	26.5	17.0	8.5	20.0 22.5	0.8	26.5 32.0	19.0 20.0	10.0 11.0	22.5 27.5	0.8
474	0.47	18.0	13.5	7.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8	18.0 26.5	19.0 17.0	11.0 8.5	15.0 22.5 22.5	0.8	32.0	20.0	11.0	27.5	0.8
684	0.68	18.0	16.0	10.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8	26.5 32.0	19.0 20.0	10.0 11.0	27.5 22.5	0.8	32.0	22.0	13.0	27.5	0.8
105	1.0	18.0	19.0	11.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8	26.5 32.0	19.0 20.0	10.0 11.0	27.5	0.8	32.0	28.0	17.0	27.5	0.8
155	1.5	26.5	19.0	10.0	22.5	0.8	32.0	20.0	11.0	22.5	0.8	31.0	25.0	14.0	27.5	0.8					
225	2.2	32.0	20.0	11.0	27.5	0.8	32.0	23.0	13.0	27.5	0.8										
335	3.3	32.0	23.0	13.0	27.5	0.8	31.0	25.0	14.0	27.5	0.8										
475	4.7	31.0	25.0	14.0	27.5	0.8	37.0	25.0	14.0	31.5	0.8					P	7.5	10.0	15.0	20.0	22.5
685	6.8	32.0	28.0	17.0	27.5	0.8										TOL	±0.5	±0.5	±0.5	±0.5	±1.0

*Please contact us for special item or size not listed　　*当W大于26.5mm时其外壳尺寸误差为±1.0mm

μF / V	Tolerance	W	H	T	Pediform	P	L0	dØ
0.022μF/800V	± 5%	13.0	12.0	6.0	A#	10.0		0.6
0.68μF/800V	±10%	26.5	22.0	12.0	A#	22.5		0.8