



# 承認書

Specification for approval

環保產品：  
RoHS/REACH Compliance

客戶

CUSTOMER

**嘉立創**

品名

PART NAME


MEY 275V AC ±10% (K)

天泰料号

TENTA Material Number

客戶料号

CUSTOMER Material Number

| 承認印<br>APPROVAL STAMP  |            |              |                |             |             |
|--|------------|--------------|----------------|-------------|-------------|
| 製造商<br>Manufacturer  |            |              | 客戶<br>Customer |             |             |
|  |            |              |                |             |             |
| 编制/Edition   | 检查/Checked | 确认/Confirmed | 承认/Admit       | 审核/Auditing | 批准/Approved |
| 陆伟   | 徐志钦        | 廖小春          |                |             |             |

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# TENTA ELECTRIC INDUSTRIAL CO., LTD.

## **Y2-Class Film Capacitor, TYPE-MEY**

### SPECIFICATION:

#### 1. REFERENCE STANDARDS:

VDE DIN EN132400(1999-06)/IEC 60384-14: 1993-07, Table II + A1:1995-06

NEMKO IEC 384-14(ed.3)

DEMKO DIN EN 132 400 1994/A2:1991+A3:1998dan IEC60384-14 1993+A:1995

SEMKO DIN EN 132 400 1994/A2:1998+A3:1998/IEC60384-14.Second edition:1993/A1:1995

FIMKO DIN EN 60384-14:2005

UL (250V/275V AC)

USED FOR ACROSS-THE-LINE CAPACITORS,

ANDTENNA-COUPLINE,

LINE-BY-PASS COMPONENTS,

RADIO INTERFERENCE SUPPRESSION,

ELECTRONMAGNETIC INTERFERENCE FILTERS.

#### 2. RATED VOLTAGE:

275V AC 50/ 60 Hz

#### 3. CAPACITANCE RANGE:

0.001 $\mu$ F to 0.1  $\mu$ F

#### 4. CAPACITANCE TOLERANCE:

$\pm$  5% (J)  $\pm$  10% (K)  $\pm$  20% (M)

#### 5. DIELECTRIC:

METALLIZED POLYPROPYLENE FILM

#### 6. DISSIPATION FACTOR Tan $\delta$ :

LESS THAN 0.1% at 1 kHz AND 20 $^{\circ}$ C

#### 7. INSULATION RESISTANCE:

BETWEEN ELECTRODES

LESS THAN OR EAUAL TO  $\cong$  15,000 M  $\Omega$

MEASURED AT 100VDC, 60 SEC. AND 20 $^{\circ}$ C

8. WITHSTAND VOLTAGE:

APPLIED 2500V.DC FOR 60 SEC. OR 4000V.DC FOR 1 SEC

9. CLIMATE CATEGORY: IN ACCORDANCE WITH DIN40040 GMF

G (MINIMUM LIMIT TEMPERATURE)=-40°C

M (MAXIMUM LIMIT TEMPERATURE)=+100°C

F (HUMIDITY CATEGORY)=AVERAGE RELATIVE HUMIDITY  $\cong$  75%, 95% FOR 30  
DAYS PER YEAR, CONTINUOUSLY; 85% FOR THE  
REMAINING DAYS, OCCASIONALLY

10. HUMIDITY TEST:

TEST CONDITION

TEST TEMPERATURE :  $40 \pm 2^\circ\text{C}$

RELATIVE HUMIDITY : 90 TO 95%

TEST DURATION : 500 HRS

TEST CRITERIA

(1) CAPACITANCE DRIFT :  $\cong$  5% OF THE INITIAL VALUE

(2) INSULATION RESISTANCE :  $\cong$  50% OF SPECIFIED VALUE

11. LIFE TEST:

TEST CONDITION

TEST TEMPERATURE :  $100 \pm 3^\circ\text{C}$

TEST VOLTAGE : 468VAC AND 1000VDC 60HZ FOR A PERIOD OF  
0.1 SEC. ONCE EACH HOUR

TEST DURATION : 1008 HRS

TEST CRITERIA

(1) CAPACITANCE DRIFT :  $\cong$  10% OF THE INITIAL VALUE

(2) INSULATION RESISTANCE :  $\cong$  50% OF SPECIFIED VALUE

(3) VISUAL INSPECTION : NO DETECTABLE DAMAGE

12. SOLDERABILITY:

TEST CONDITIONS

SOLDER BATH TEMPERATURE :  $260 \pm 5^\circ\text{C}$

SOLDER : Sn/Cu=99.3%/0.7%

SOLDER TIME :  $3 \pm 0.5$  SEC

TEST CRITERIA

75% OF THE SURFACE TINNING

13. VIBRATION RESISTANCE: (JIS 5115)

TEST CONDITIONS

FREQUENCY CYCLE : 1 MINUTE PER CYCLE 10-55-10 HZ

TEST DURATION : PERPENDICULAR DIRECTION WITH THE SAME  
METHOD FOR 45 MINUTES EACH, TOTAL 90 MINUTES

TEST CRITERIA

(1) APPEARANCE : NO VISUAL DAMAGE

(2) CONTACT : NORMAL

14. TENSILE STRENGTH OF ELECTRODES:

TEST CONDITIONS

LOAD CONDITIONS : 1.0KGS

HOLDING TIME :  $10 \pm 1$  SEC

TEST CRITERIA

NO WIRE BROKEN AND NO DAMAGE OF THE CAPACITOR

15. MARKING:

CAPACITORS ARE MARKED WITH TYPE IDENTIFICATION, CAPACITANCE,  
CAPACITANCE TOLERANCE, VOLTAGE AND APPROVED CERTIFICATION MARK

16. APPROVED BY: VDE:: NEMKO: DEMKO; SEMKO; FIMKO; UL :

VDE FILE NO. 40000362

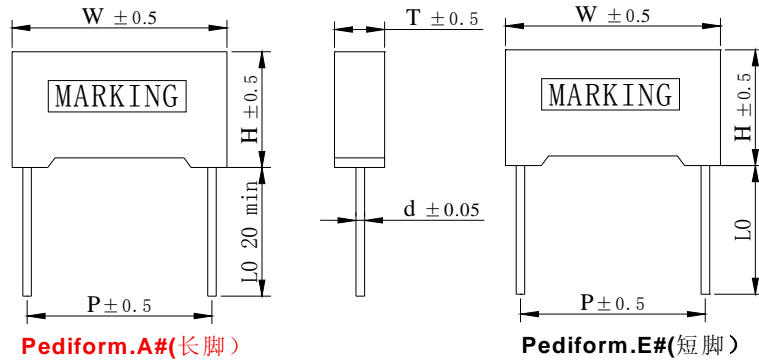
NEMKO FILE NO. 48891

DEMKO FILE NO. 311148-01

SEMKO FILE NO. 0202066/01

FIMKO FILE NO.2011061

UL FILE NO. E222911



(Unit:mm)

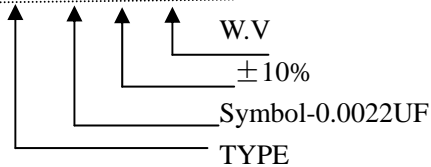
**Y2-class film Capacitor size.**

| Capacitance |        | Dimennsions |      |     |      |     | Capacitance |        | Dimennsions |      |      |      |     |
|-------------|--------|-------------|------|-----|------|-----|-------------|--------|-------------|------|------|------|-----|
| C(UF)       | symbol | W           | H    | T   | P    | dØ  | C(UF)       | symbol | W           | H    | T    | P    | dØ  |
| 0.001       | 102    | 13.0        | 9.0  | 4.0 | 10.0 | 0.6 | 0.01        | 103    | 18.0        | 11.0 | 5.0  | 15.0 | 0.8 |
| 0.0015      | 152    | 13.0        | 9.0  | 4.0 | 10.0 | 0.6 | 0.015       | 153    | 18.0        | 12.0 | 6.0  | 15.0 | 0.8 |
| 0.0022      | 222    | 13.0        | 9.0  | 4.0 | 10.0 | 0.6 | 0.022       | 223    | 18.0        | 13.0 | 7.5  | 15.0 | 0.8 |
| 0.0027      | 272    | 13.0        | 11.0 | 5.0 | 10.0 | 0.6 | 0.033       | 333    | 18.0        | 13.0 | 7.5  | 15.0 | 0.8 |
| 0.0033      | 332    | 13.0        | 11.0 | 5.0 | 10.0 | 0.6 | 0.047       | 473    | 18.0        | 14.5 | 8.5  | 15.0 | 0.8 |
| 0.0047      | 472    | 13.0        | 11.0 | 5.0 | 10.0 | 0.6 | 0.068       | 683    | 18.0        | 16.0 | 10.0 | 15.0 | 0.8 |
| 0.0056      | 562    | 13.0        | 12.0 | 6.0 | 10.0 | 0.6 | 0.1         | 104    | 18.0        | 19.0 | 11.0 | 15.0 | 0.8 |
| 0.0068      | 682    | 18.0        | 11.0 | 5.0 | 15.0 | 0.6 |             |        |             |      |      |      |     |

\*Please contact us for special item or size not listed.

| µF / V | Tolerance | W | H | T | Pediform | P | L0 | dØ |
|--------|-----------|---|---|---|----------|---|----|----|
|        |           |   |   |   |          |   |    |    |
|        |           |   |   |   |          |   |    |    |
|        |           |   |   |   |          |   |    |    |

Part Numbering : MEY-222K/275VAC



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