



DURA 'TECH' '@@7'

GENERAL INFORMATION

TYPICAL PROPERTIES AND APPLICATIONS.

POLYESTER FILM

Typical Properties:

- High dielectric constant.
- Very good ratio box and dip size capacitance.
- Very wide operating temperature range.
- Good stability.
- Excellent self-healing properties.

Typical Applications:

- Blocking and coupling.
- Decoupling.
- Timing.
- Low filtering.
- By-passing.
- Market sector with professional characteristics.

POLYPROPYLENE FILM

Typical Properties:

- Very low dielectric absorption.
- Good behaviour in frequency.
- Very high insulation resistance.
- Very good stability.
- Excellent self-healing properties.

Typical Applications:

- Pulse applications.
- High current.
- AC Applications.
- SMPS & TV Set.
- Lighting.
- DC-LINK and filtering high Q.
- Timing with high stability.
- Industrial.

DIELECTRIC ABSORPTION(DA)

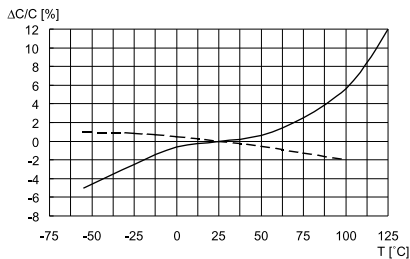
Typical Value 1KHz:

- * Polyester: 0.5
- * Polypropylene: 0.05

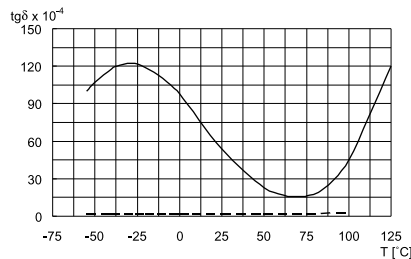
TYPICAL GRAPHS:

————— Polyester

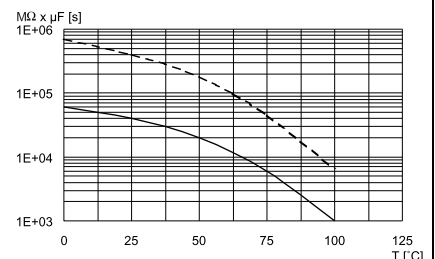
----- Polypropylene



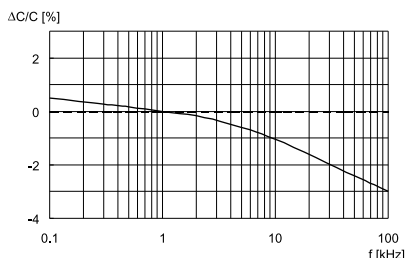
Capacitance change vs. temperature at 1kHz



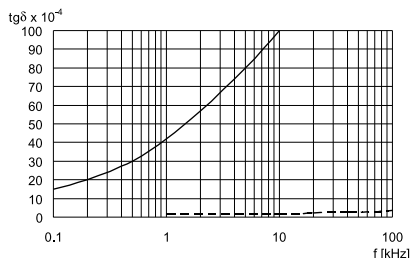
Dissipation factor vs. temperature at 1kHz



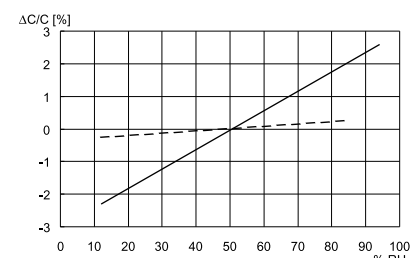
Time constant vs. temperature



Capacitance change vs. frequency (Room temperature)



Dissipation factor vs. frequency (Room temperature)



Capacitance change vs. relative humidity (RH)



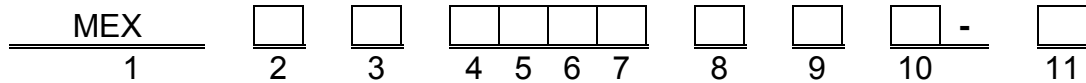
DURA 'TECH' '@@7'

Product

MEX series / Metalized Polyester Film Capacitors, Resin dipped.

PRODUCT CODE SYSTEM

The part number is for MEX as follows:



- Digit 1 Series name.
- Digit 2 D.C. rated voltage
I = 250V; M = 400V; X = 450V; P = 630V.
- Digit 3 Pitch: (mm)
C = 5 D = 7.5 F = 10 G = 12.5 I = 15 J = 17.5 N = 22.5 Z = Special
- Digit 4 to 7 Digits 5-6-7 indicate the first three digits of capacitance value and 4th digit indicates the number of zeros that must be added to obtain the rated capacitance in pF.
- Digit 8 Mechanical version
4 = 18mm Min ; 5 = 25+5mm; J = 4.3±0.3mm; L = 3.5±0.5mm;
T = taping.
- Digit 9 Capacitance tolerance:
J = ±5%; K = ±10%; M = ±20%
- Digit 10 Internal use for same pitch Special size : Internal +1,..Internal+2...etc,
- Digit 11 Internal use for Halogen Free code is A.

GENERAL TECHNICAL DATA

- Dielectric: Polyester film
- Plates: Aluminum layer deposited by evaporation under vacuum.
- Winding: Non-inductive type
- Leads: Tinned wire
- Protection: Flame-retardant epoxy resin coating (UL94V-0).
- Marking: Capacitance, tolerance, DC rated voltage and Series name
- Related standard: IEC 60384-2



DURA 'TECH' '@@7''

Specification of MEX Series

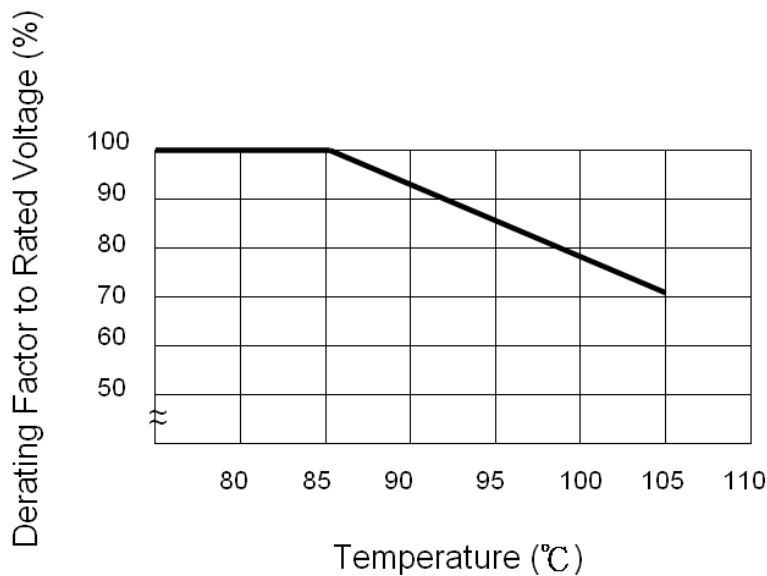
Electrical characteristics

| | |
|--|---|
| Rated voltage (Vr) | 250Vdc, 400Vdc, 450Vdc, 630Vdc, |
| Capacitance Range | 250Vdc. 0.001~10.0uf. 400Vdc. 0.001~4.7uf. 450Vdc. 0.010~4.7uf. 630Vdc. 0.001~2.2uf. |
| Rated temperature | -40°C ~ +85°C. (+105°C) |
| Capacitance tolerance Temperature: +25°C Frequency: 1KHz. | ±5%, ±10%, ±20%, |
| D.F value Temperature: +25°C | C > 1μF, D.F ≤ 0.01 at 1Khz C ≤ 1μF, D.F ≤ 0.01 at 1Khz and D.F ≤ 0.015 at 10Khz |
| Insulation Resistance 100Vdc Temperature: +25°C. Duration: 1 minute. | ≥ 15000MΩ for C ≤ 0.33μF. ≥ 5000MΩ for C > 0.33μF. |
| Dielectric strength | 1.6 x Vr applied for 2 sec at +25°C |

Temperature derated voltage:

* For temperature between +85°C and +105°C decreasing factor of 1.5% at per each 1°C. on the rated voltage Vr (dc & ac). has to applied.

1. When using capacitors at temperatures higher than the normally specified maximum temperature, it is necessary to reduce the working voltage as shown in the figures below.





DURA 'TECH' '@@7'

Specification of MEX Series

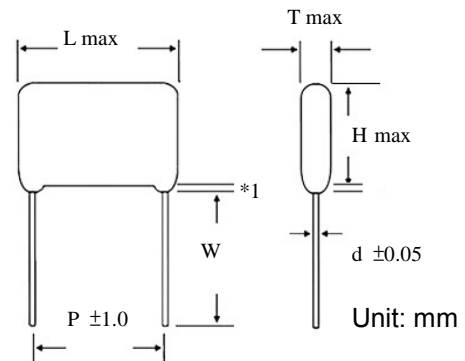
Test Item and performance

| Test item | Test condition | Performance |
|-----------------------------------|---|---|
| Damp heat, steady state | Temperature: +40°C Humidity: 93% Duration: | $ \Delta C/C \leq 5\%$ D.F increase ≤ 0.008 at 1Khz I.R $\leq 50\%$ of initial value |
| Dry heat test | Temperature: +85°C Duration: 16Hrs Removal from chamber for test less 4hrs for temperature recovery | $ \Delta C/C \leq 5\%$ $C > 1\mu F$, D.F change ≤ 0.008 at 1Khz $C \leq 1\mu F$, D.F change ≤ 0.015 at 10Khz I.R $\leq 50\%$ of initial value |
| Cold test | Temperature: -40°C Duration: 2Hrs Removal from chamber for test less 4hrs for temperature recovery | $ \Delta C/C \leq 5\%$ $C > 1\mu F$, D.F change ≤ 0.008 at 1Khz $C \leq 1\mu F$, D.F change ≤ 0.015 at 10Khz I.R $\leq 50\%$ of initial value |
| Solder ability | Soldering temperature: 230±5°C. Duration: 2±0.5 seconds Dipping/removing speed: 25mm/ sec | Leads shall be covered with solder more than 95%. |
| Soldering heat resistance | Soldering temperature: 260±5°C. Duration: 10 ± 1 seconds | $ \Delta C/C \leq 3\%$ $C > 1\mu F$, D.F change ≤ 0.008 at 1Khz $C \leq 1\mu F$, D.F change ≤ 0.015 at 10Khz I.R $\leq 50\%$ of initial value |
| Load life test (Endurance) | Temperature: +85°C Test voltage: 1.10x Vr (500Vdc) Duration: 500Hrs Removal from chamber for test less 4hrs for temperature recovery | $ \Delta C/C \leq 5\%$ $C > 1\mu F$, D.F change ≤ 0.008 at 1Khz $C \leq 1\mu F$, D.F change ≤ 0.015 at 10Khz I.R $\leq 50\%$ of initial value |
| Vibration resistance | It should be no short circuits or open circuits in the element and state of the connection shall be stable. It should be no anomalies in appearance after test. | The frequency shall be varied uniformly from 10Hz to 55Hz at 0.75mm amplitude and back to 10Hz in approximately 1 min intervals. The test shall be applied 2 Hrs per each direction, total 6 Hrs. |
| Termination strength | Without mechanical damage. as break of terminal damage. | The capacitors shall be fixed and unless otherwise specified. a tensile force of 10N shall be gradually applied to the axial of leads. Then maintained for 30±5 seconds. |
| Long term stability | Temperature: -40°C ~ +85°C Humidity $\leq 70\%$ for yearly average Duration ≤ 12 months | $ \Delta C/C \leq 3\%$ |

Specification of MEX Series

Dimension

| Part Number | Cap (μF) | 250Vdc/125Vac | | | | |
|-------------|----------|---------------|-------|-------|-------|-----|
| | | L | H | T | P | d |
| MEXIC1100 | 0.001 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1120 | 0.0012 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1150 | 0.0015 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1180 | 0.0018 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1220 | 0.0022 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1270 | 0.0027 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1330 | 0.0033 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1390 | 0.0039 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1470 | 0.0047 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1560 | 0.0056 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1680 | 0.0068 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC1820 | 0.0082 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2100 | 0.01 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2120 | 0.012 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2150 | 0.015 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2180 | 0.018 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2220 | 0.022 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2270 | 0.027 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2330 | 0.033 | 7.30 | 6.50 | 3.70 | 5.00 | 0.6 |
| MEXIC2390 | 0.039 | 7.30 | 6.80 | 4.00 | 5.00 | 0.6 |
| MEXIC2470 | 0.047 | 7.30 | 7.00 | 4.00 | 5.00 | 0.6 |
| MEXIC2560 | 0.056 | 7.30 | 7.20 | 4.30 | 5.00 | 0.6 |
| MEXIC2680 | 0.068 | 7.30 | 7.50 | 4.60 | 5.00 | 0.6 |
| MEXIC2820 | 0.082 | 7.30 | 8.00 | 5.00 | 5.00 | 0.6 |
| MEXIC3100 | 0.1 | 7.30 | 8.50 | 5.50 | 5.00 | 0.6 |
| MEXIC3120 | 0.12 | 7.30 | 10.20 | 5.00 | 5.00 | 0.6 |
| MEXIC3150 | 0.15 | 7.30 | 11.50 | 6.00 | 5.00 | 0.6 |
| MEXID3180 | 0.18 | 9.80 | 11.00 | 4.60 | 7.50 | 0.6 |
| MEXID3220 | 0.22 | 9.80 | 11.30 | 5.00 | 7.50 | 0.6 |
| MEXID3270 | 0.27 | 9.80 | 12.00 | 5.50 | 7.50 | 0.6 |
| MEXID3330 | 0.33 | 9.80 | 12.50 | 6.00 | 7.50 | 0.6 |
| MEXIF3150 | 0.15 | 12.50 | 10.50 | 4.60 | 10.00 | 0.6 |
| MEXIF3220 | 0.22 | 12.50 | 10.50 | 5.00 | 10.00 | 0.6 |
| MEXIF3390 | 0.39 | 12.50 | 14.00 | 4.30 | 10.00 | 0.6 |
| MEXIF3470 | 0.47 | 12.50 | 14.40 | 4.80 | 10.00 | 0.6 |
| MEXIF3560 | 0.56 | 12.50 | 14.80 | 5.20 | 10.00 | 0.6 |
| MEXIF3680 | 0.68 | 12.50 | 15.20 | 5.80 | 10.00 | 0.6 |
| MEXIG3820 | 0.82 | 15.00 | 15.40 | 5.50 | 12.50 | 0.6 |
| MEXIG4100 | 1 | 15.00 | 16.00 | 6.20 | 12.50 | 0.6 |
| MEXIG4120 | 1.2 | 15.00 | 16.50 | 6.80 | 12.50 | 0.6 |
| MEXIG4150 | 1.5 | 15.00 | 17.50 | 7.80 | 12.50 | 0.6 |
| MEXIJ4180 | 1.8 | 20.30 | 16.80 | 6.60 | 17.50 | 0.8 |
| MEXIJ4220 | 2.2 | 20.30 | 17.80 | 7.30 | 17.50 | 0.8 |
| MEXIJ4270 | 2.7 | 20.30 | 18.60 | 8.30 | 17.50 | 0.8 |
| MEXIJ4330 | 3.3 | 20.30 | 21.00 | 9.00 | 17.50 | 0.8 |
| MEXIJ4390 | 3.9 | 20.30 | 21.80 | 9.80 | 17.50 | 0.8 |
| MEXIJ4470 | 4.7 | 20.30 | 23.80 | 10.70 | 17.50 | 0.8 |
| MEXIN4560 | 5.6 | 25.50 | 22.30 | 11.60 | 22.50 | 0.8 |
| MEXIN4680 | 6.8 | 25.50 | 23.50 | 12.00 | 22.50 | 0.8 |
| MEXIN4820 | 8.2 | 25.50 | 25.00 | 13.30 | 22.50 | 0.8 |
| MEXIN5100 | 10 | 25.50 | 27.50 | 13.80 | 22.50 | 0.8 |



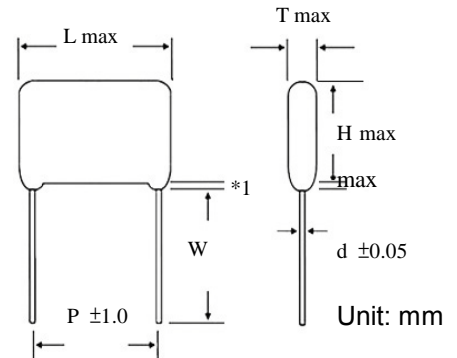
*1 : Max value 1.5mm

W : Please refer to the mechanical version in the product code system.

Specification of MEX Series

Dimension

| Part Number | Cap (μF) | 400Vdc/200Vac | | | | |
|-------------|----------|---------------|-------|-------|-------|-----|
| | | L | H | T | P | d |
| MEXMD1100 | 0.001 | 9.80 | 5.50 | 3.50 | 7.50 | 0.6 |
| MEXMD1120 | 0.0012 | 9.80 | 5.50 | 3.50 | 7.50 | 0.6 |
| MEXMD1150 | 0.0015 | 9.80 | 5.50 | 3.50 | 7.50 | 0.6 |
| MEXMD1180 | 0.0018 | 9.80 | 5.50 | 3.50 | 7.50 | 0.6 |
| MEXMD1220 | 0.0022 | 9.80 | 5.50 | 3.50 | 7.50 | 0.6 |
| MEXMD1270 | 0.0027 | 9.80 | 5.50 | 3.50 | 7.50 | 0.6 |
| MEXMD1330 | 0.0033 | 9.80 | 6.00 | 4.20 | 7.50 | 0.6 |
| MEXMD1390 | 0.0039 | 9.80 | 6.00 | 4.20 | 7.50 | 0.6 |
| MEXMD1470 | 0.0047 | 9.80 | 6.00 | 4.20 | 7.50 | 0.6 |
| MEXMD1560 | 0.0056 | 9.80 | 6.50 | 4.20 | 7.50 | 0.6 |
| MEXMD1680 | 0.0068 | 9.80 | 6.50 | 4.40 | 7.50 | 0.6 |
| MEXMD1820 | 0.0082 | 9.80 | 6.80 | 4.40 | 7.50 | 0.6 |
| MEXMD2100 | 0.01 | 9.80 | 6.80 | 3.50 | 7.50 | 0.6 |
| MEXMD2120 | 0.012 | 9.80 | 6.80 | 3.50 | 7.50 | 0.6 |
| MEXMD2150 | 0.015 | 9.80 | 6.80 | 4.00 | 7.50 | 0.6 |
| MEXMD2180 | 0.018 | 9.80 | 6.80 | 4.00 | 7.50 | 0.6 |
| MEXMD2220 | 0.022 | 9.80 | 6.80 | 4.00 | 7.50 | 0.6 |
| MEXMD2270 | 0.027 | 9.80 | 6.80 | 4.20 | 7.50 | 0.6 |
| MEXMD2330 | 0.033 | 9.80 | 6.80 | 4.20 | 7.50 | 0.6 |
| MEXMD2390 | 0.039 | 9.80 | 7.00 | 4.20 | 7.50 | 0.6 |
| MEXMD2470 | 0.047 | 9.80 | 7.20 | 4.20 | 7.50 | 0.6 |
| MEXMD2560 | 0.056 | 9.80 | 8.00 | 4.20 | 7.50 | 0.6 |
| MEXMD2680 | 0.068 | 9.80 | 8.30 | 4.40 | 7.50 | 0.6 |
| MEXMD2820 | 0.082 | 9.80 | 8.60 | 4.80 | 7.50 | 0.6 |
| MEXMD3100 | 0.1 | 9.80 | 10.80 | 4.50 | 7.50 | 0.6 |
| MEXMF3120 | 0.12 | 12.50 | 10.50 | 4.20 | 10.00 | 0.6 |
| MEXMF3150 | 0.15 | 12.50 | 10.70 | 4.60 | 10.00 | 0.6 |
| MEXMF3180 | 0.18 | 12.50 | 10.00 | 5.50 | 10.00 | 0.6 |
| MEXMF3220 | 0.22 | 12.50 | 10.50 | 5.80 | 10.00 | 0.6 |
| MEXMF3270 | 0.27 | 12.50 | 13.50 | 5.20 | 10.00 | 0.6 |
| MEXMF3330 | 0.33 | 12.50 | 14.30 | 5.80 | 10.00 | 0.6 |
| MEXMF3390 | 0.39 | 12.50 | 14.50 | 6.30 | 10.00 | 0.6 |
| MEXMF3470 | 0.47 | 12.50 | 15.50 | 7.00 | 10.00 | 0.6 |
| MEXMI3560 | 0.56 | 17.80 | 14.30 | 6.00 | 15.00 | 0.6 |
| MEXMI3680 | 0.68 | 17.80 | 14.80 | 6.50 | 15.00 | 0.8 |
| MEXMI3820 | 0.82 | 17.80 | 15.50 | 7.00 | 15.00 | 0.8 |
| MEXMI4100 | 1 | 17.80 | 16.30 | 7.50 | 15.00 | 0.8 |
| MEXMI4120 | 1.2 | 17.80 | 17.00 | 8.50 | 15.00 | 0.8 |
| MEXMN4150 | 1.5 | 25.50 | 16.00 | 7.80 | 22.50 | 0.8 |
| MEXMN4180 | 1.8 | 25.50 | 17.00 | 8.30 | 22.50 | 0.8 |
| MEXMN4220 | 2.2 | 25.50 | 18.80 | 8.80 | 22.50 | 0.8 |
| MEXMN4270 | 2.7 | 25.50 | 19.80 | 10.00 | 22.50 | 0.8 |
| MEXMN4330 | 3.3 | 25.50 | 21.00 | 11.00 | 22.50 | 0.8 |
| MEXMN4390 | 3.9 | 25.50 | 22.00 | 12.00 | 22.50 | 0.8 |
| MEXMN4470 | 4.7 | 25.50 | 23.60 | 12.50 | 22.50 | 0.8 |



*1 : Max value 1.5mm

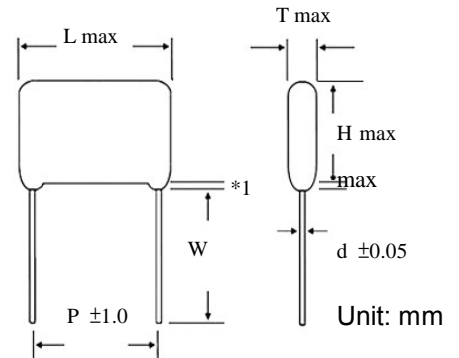
W : Please refer to the mechanical version in the product code system.

* 105/450v P:22.5mm dv/dt reduce 30%, Irms reduce 10%. P:15mm..

Specification of MEX Series

Dimension

| Part Number | Cap (μF) | 450Vdc/200Vac | | | | |
|------------------------|----------|---------------|-------|-------|-------|-----|
| | | L | H | T | P | d |
| MEXXD2100 | 0.01 | 9.80 | 7.20 | 4.20 | 7.50 | 0.6 |
| MEXXD2150 | 0.015 | 9.80 | 7.20 | 4.20 | 7.50 | 0.6 |
| MEXXD2220 | 0.022 | 9.80 | 7.20 | 4.20 | 7.50 | 0.6 |
| MEXXD2470 | 0.047 | 9.80 | 7.20 | 4.20 | 7.50 | 0.6 |
| MEXXD2560 | 0.056 | 9.80 | 9.00 | 4.20 | 7.50 | 0.6 |
| MEXXD2680 | 0.068 | 9.80 | 9.00 | 4.20 | 7.50 | 0.6 |
| MEXXD3100 | 0.1 | 9.80 | 10.80 | 4.50 | 7.50 | 0.6 |
| MEXXD3100 ₁ | 0.1 | 9.80 | 10.00 | 5.50 | 7.50 | 0.6 |
| MEXXD3150 | 0.15 | 9.80 | 13.00 | 6.50 | 7.50 | 0.6 |
| MEXXD3220 | 0.22 | 9.80 | 13.00 | 6.50 | 7.50 | 0.6 |
| MEXXD3330 | 0.33 | 9.80 | 14.50 | 8.00 | 7.50 | 0.6 |
| MEXXF2470 | 0.047 | 12.50 | 8.20 | 5.20 | 10.00 | 0.6 |
| MEXXF3100 | 0.1 | 12.50 | 9.50 | 5.00 | 10.00 | 0.6 |
| MEXXF3120 | 0.12 | 12.50 | 10.50 | 4.20 | 10.00 | 0.6 |
| MEXXF3150 | 0.15 | 12.50 | 10.70 | 4.60 | 10.00 | 0.6 |
| MEXXF3180 | 0.18 | 12.50 | 10.00 | 5.50 | 10.00 | 0.6 |
| MEXXF3220 | 0.22 | 12.50 | 10.50 | 5.50 | 10.00 | 0.6 |
| MEXXF3270 | 0.27 | 12.50 | 13.50 | 5.20 | 10.00 | 0.6 |
| MEXXF3330 ₁ | 0.33 | 12.50 | 11.00 | 8.00 | 10.00 | 0.6 |
| MEXXF3330 | 0.33 | 12.50 | 14.30 | 5.80 | 10.00 | 0.6 |
| MEXXF3390 | 0.39 | 12.50 | 14.50 | 6.30 | 10.00 | 0.6 |
| MEXXF3470 | 0.47 | 12.50 | 15.50 | 7.00 | 10.00 | 0.6 |
| MEXXF3560 | 0.56 | 12.50 | 17.00 | 8.50 | 10.00 | 0.6 |
| MEXXF3560 ₁ | 0.56 | 12.50 | 17.00 | 7.50 | 10.00 | 0.6 |
| MEXXF3680 | 0.68 | 12.50 | 17.00 | 8.50 | 10.00 | 0.6 |
| MEXXF3820 | 0.82 | 13.00 | 18.50 | 8.50 | 10.00 | 0.8 |
| MEXXF4100 | 1 | 13.00 | 19.00 | 9.00 | 10.00 | 0.8 |
| MEXXI3470 | 0.47 | 17.80 | 13.50 | 6.00 | 15.00 | 0.6 |
| MEXXI3560 | 0.56 | 17.80 | 14.30 | 6.00 | 15.00 | 0.6 |
| MEXXI3680 | 0.68 | 17.80 | 14.80 | 6.50 | 15.00 | 0.8 |
| MEXXI3820 | 0.82 | 17.80 | 15.50 | 7.00 | 15.00 | 0.8 |
| MEXXI4100 | 1 | 17.80 | 16.30 | 7.50 | 15.00 | 0.8 |
| MEXXI4100 ₁ | 1 | 17.80 | 18.00 | 6.50 | 15.00 | 0.8 |
| MEXXI4120 | 1.2 | 17.80 | 17.00 | 8.50 | 15.00 | 0.8 |
| MEXXI4150 | 1.2 | 17.80 | 18.00 | 9.60 | 15.00 | 0.8 |
| MEXXI4220 | 2.2 | 17.80 | 20.50 | 12.30 | 15.00 | 0.8 |
| MEXXN4100 | 1 | 25.50 | 16.50 | 6.00 | 22.50 | 0.8 |
| MEXXN4150 | 1.5 | 25.50 | 16.00 | 7.80 | 22.50 | 0.8 |
| MEXXN4180 | 1.8 | 25.50 | 17.00 | 8.30 | 22.50 | 0.8 |
| MEXXN4220 | 2.2 | 25.50 | 18.80 | 8.80 | 22.50 | 0.8 |
| MEXXN4270 | 2.7 | 25.50 | 19.80 | 10.00 | 22.50 | 0.8 |
| MEXXN4330 | 3.3 | 25.50 | 21.00 | 11.00 | 22.50 | 0.8 |
| MEXXN4470 | 4.7 | 25.50 | 23.60 | 12.50 | 22.50 | 0.8 |



*1 : Max value 1.5mm

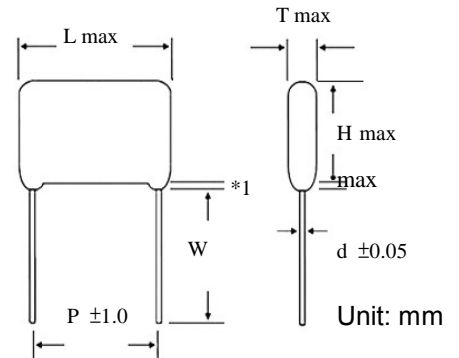
W : Please refer to the mechanical version in the product code system.

* 105/450v P:22.5mm dv/dt reduce 30%, Irms reduce 10%. P:15mm..

Specification of MEX Series

Dimension

| Part Number | Cap (μF) | 630Vdc/250Vac | | | | |
|-------------|----------|---------------|------|------|------|-----|
| | | L | H | T | P | d |
| MEXPD1100 | 0.001 | 9.8 | 6.0 | 3.5 | 7.5 | 0.6 |
| MEXPD1120 | 0.0012 | 9.8 | 6.0 | 3.5 | 7.5 | 0.6 |
| MEXPD1150 | 0.0015 | 9.8 | 6.0 | 3.5 | 7.5 | 0.6 |
| MEXPD1180 | 0.0018 | 9.8 | 6.0 | 3.5 | 7.5 | 0.6 |
| MEXPD1220 | 0.0022 | 9.8 | 6.0 | 3.5 | 7.5 | 0.6 |
| MEXPD1270 | 0.0027 | 9.8 | 6.0 | 3.5 | 7.5 | 0.6 |
| MEXPD1330 | 0.0033 | 9.8 | 6.0 | 4.2 | 7.5 | 0.6 |
| MEXPD1390 | 0.0039 | 9.8 | 6.0 | 4.2 | 7.5 | 0.6 |
| MEXPD1470 | 0.0047 | 9.8 | 6.0 | 4.2 | 7.5 | 0.6 |
| MEXPD1560 | 0.0056 | 9.8 | 6.5 | 4.2 | 7.5 | 0.6 |
| MEXPD1680 | 0.0068 | 9.8 | 6.5 | 4.4 | 7.5 | 0.6 |
| MEXPD1820 | 0.0082 | 9.8 | 6.8 | 4.4 | 7.5 | 0.6 |
| MEXPD2100 | 0.01 | 9.8 | 7.7 | 4.2 | 7.5 | 0.6 |
| MEXPD2120 | 0.012 | 9.8 | 7.7 | 4.2 | 7.5 | 0.6 |
| MEXPD2150 | 0.015 | 9.8 | 8.0 | 4.2 | 7.5 | 0.6 |
| MEXPD2180 | 0.018 | 9.8 | 8.3 | 4.4 | 7.5 | 0.6 |
| MEXPD2220 | 0.022 | 9.8 | 8.3 | 5.0 | 7.5 | 0.6 |
| MEXPD2270 | 0.027 | 9.8 | 8.7 | 5.5 | 7.5 | 0.6 |
| MEXPD2330 | 0.033 | 9.8 | 11.3 | 5.0 | 7.5 | 0.6 |
| MEXPD2390 | 0.039 | 9.8 | 11.5 | 5.3 | 7.5 | 0.6 |
| MEXPD2470 | 0.047 | 9.8 | 11.0 | 6.3 | 7.5 | 0.6 |
| MEXPF2470 | 0.047 | 12.5 | 11.2 | 6.0 | 10.0 | 0.6 |
| MEXPF2560 | 0.056 | 12.5 | 10.0 | 5.5 | 10.0 | 0.6 |
| MEXPF2680 | 0.068 | 12.5 | 10.5 | 5.8 | 10.0 | 0.6 |
| MEXPF2820 | 0.082 | 12.5 | 10.9 | 6.3 | 10.0 | 0.6 |
| MEXPF3100 | 0.1 | 12.5 | 13.8 | 5.8 | 10.0 | 0.6 |
| MEXPF3120 | 0.12 | 12.5 | 14.3 | 6.3 | 10.0 | 0.6 |
| MEXPF3150 | 0.15 | 12.5 | 13.8 | 7.7 | 10.0 | 0.6 |
| MEXPF3180 | 0.18 | 12.5 | 15.0 | 8.3 | 10.0 | 0.6 |
| MEXPF3220 | 0.22 | 12.5 | 15.8 | 9.0 | 10.0 | 0.6 |
| MEXPI3270 | 0.27 | 17.8 | 14.3 | 7.5 | 15.0 | 0.8 |
| MEXPI3330 | 0.33 | 17.8 | 14.8 | 8.0 | 15.0 | 0.8 |
| MEXPI3390 | 0.39 | 17.8 | 16.5 | 8.0 | 15.0 | 0.8 |
| MEXPI3470 | 0.47 | 17.8 | 17.3 | 9.0 | 15.0 | 0.8 |
| MEXPI3560 | 0.56 | 17.8 | 19.3 | 9.5 | 15.0 | 0.8 |
| MEXPI3680 | 0.68 | 17.8 | 20.3 | 10.5 | 15.0 | 0.8 |
| MEXPN4100 | 1 | 25.5 | 19.8 | 8.5 | 22.5 | 0.8 |
| MEXPN4100 | 1 | 25.5 | 20.8 | 9.5 | 22.5 | 0.8 |
| MEXPN4120 | 1.2 | 25.5 | 21.8 | 10.5 | 22.5 | 0.8 |
| MEXPN4150 | 1.5 | 25.5 | 23.0 | 11.8 | 22.5 | 0.8 |
| MEXPN4180 | 1.8 | 25.5 | 24.3 | 13.5 | 22.5 | 0.8 |
| MEXPN4220 | 2.2 | 25.5 | 26.8 | 14.3 | 22.5 | 0.8 |



*1 : Max value 1.5mm

W : Please refer to the mechanical version in the product code system.

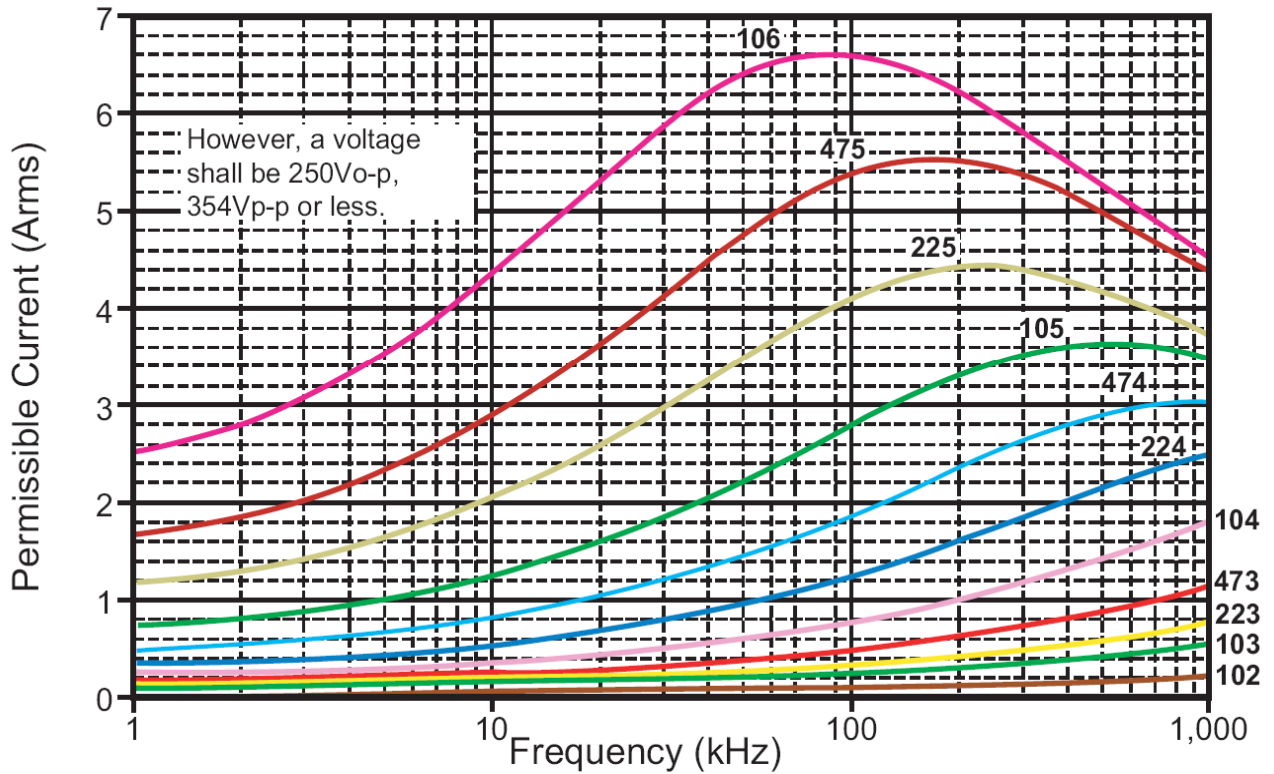
* 105/450v P:22.5mm dv/dt reduce 30%, Irms reduce 10%. P:15mm..



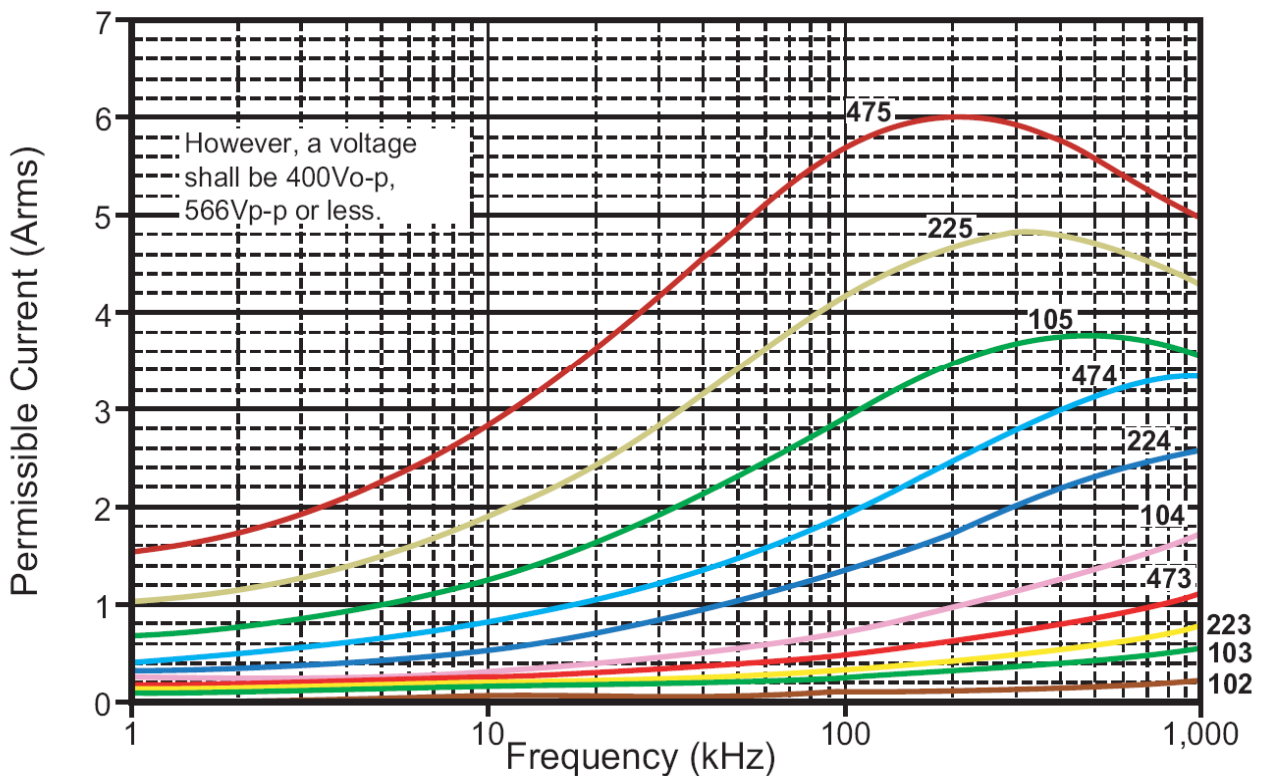
DURA 'TECH' '@@7'

Specification of MEX Series

MEX 250V



MEX 400V

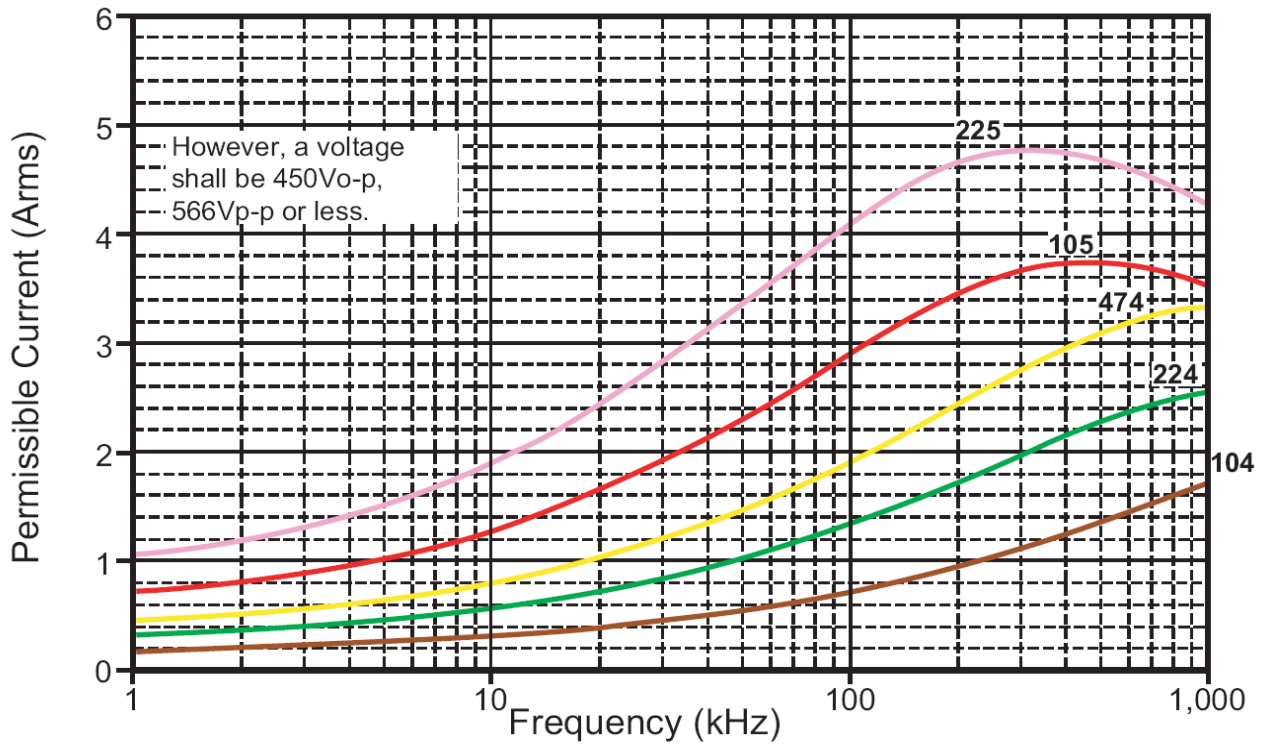




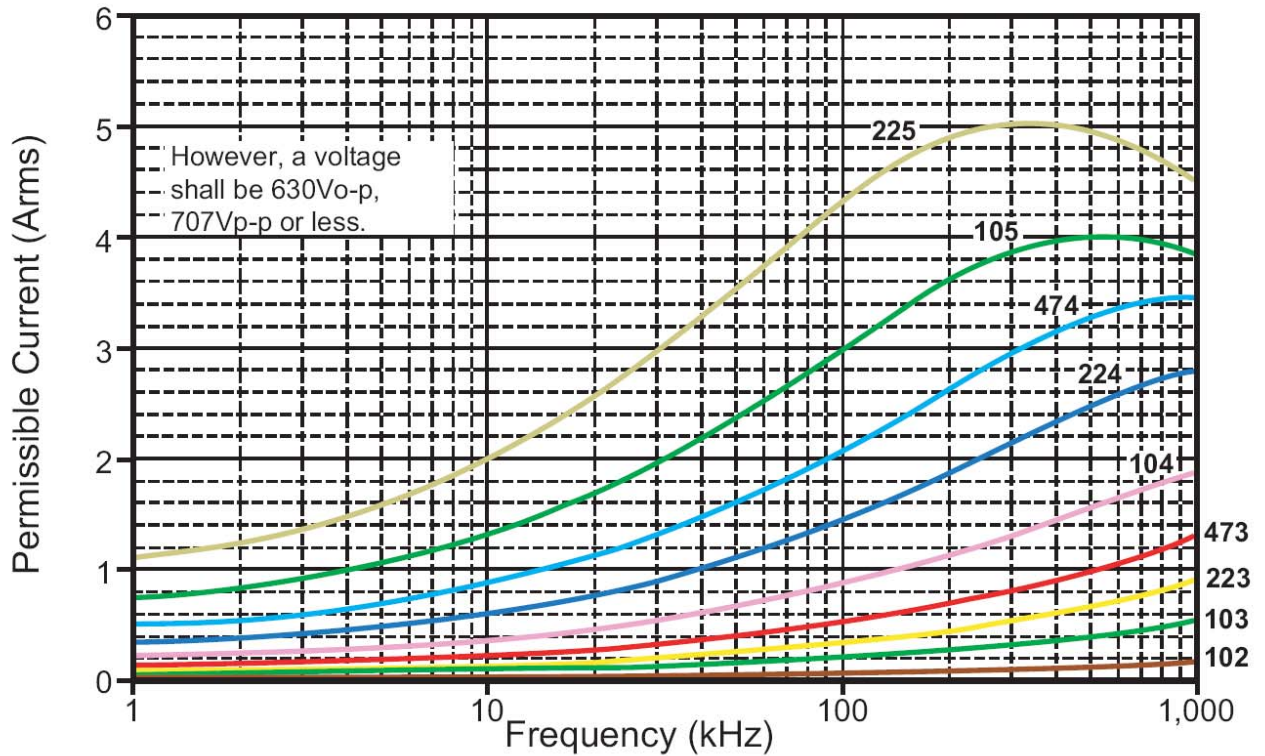
DURA 'TECH' '@@7'

Specification of MEX Series

MEX 450V



MEX 630V



Specification of MEX Series

Soldering suggestions

1. Max soldering temperature:

Max temperature (T-Max) for MKT (Pitch $\geq 7.5\text{mm}$): $265\pm 5^\circ\text{C}$ for 4 seconds.

Max temperature (T-Max) for MKT (Pitch 5mm): 260°C for 4 seconds.

Max temperature (T-Max) for MKP: 260°C for 4 seconds.

Temperature

Pre-Heating

Temperature

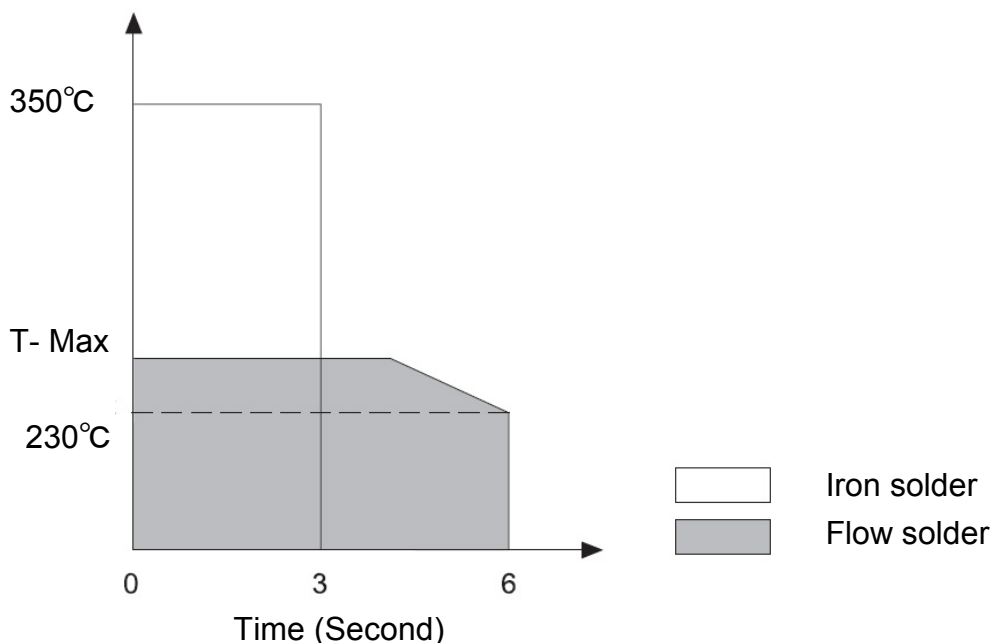
Time

110°C

1 Min

100°C

1 Min for KP & MKP $\leq P:7.5\text{mm}$



2. Additional condition:

If two time soldering are needed, please apply a recovery time until the temperature on the surface of capacitor is below 50°C .

Avoid applying the reflow soldering with both leaded parts and SMD parts.

Storage suggestions:

In order to keep the electrical characteristic of capacitor in line with the specification, please store the capacitors in the following condition:

Storage duration: ≤ 12 months from the date which showed on the label.

Temperature: -40°C to 80°C .

Humidity: $\leq 70\%$.



DURA 'TECH' '@@7'

Specification of MEX Series

Marking:

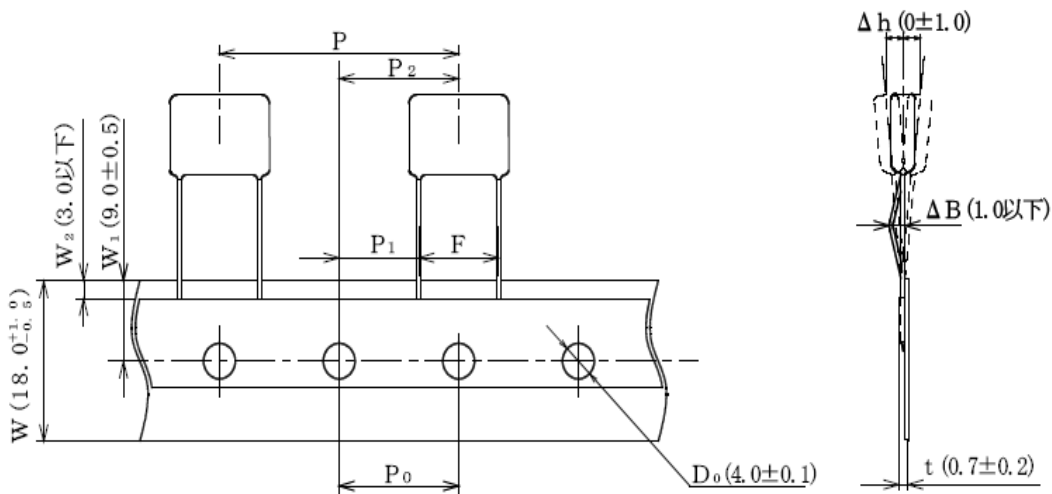
The marking on each capacitor should contain Capacitance, Tolerance and Rated voltage.

Packing:

For Bulk type, small inner cardboard box / PVC bag with desiccants and label packed in one standard export carton.

Typing Pitch : 10mm.

Dimensions: mm



| | | | | |
|------------|--------|------------|----------|-----------|
| $P_0=12.7$ | $F=10$ | $P_2=12.7$ | $P=25.4$ | $P_1=7.7$ |
|------------|--------|------------|----------|-----------|