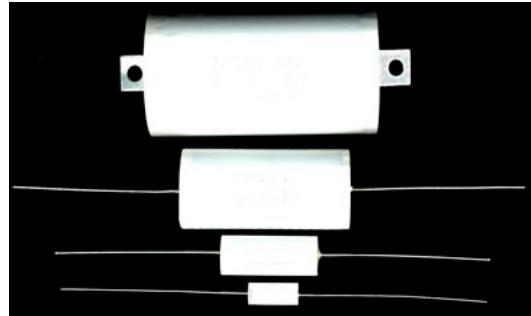


# Type 760M

## Metallized Polypropylene Film Capacitors

### Type 760M Axial Lead Round Profile Metallized Polypropylene Film Capacitors



### Specifications

**Capacitance Range:**

0.01 to 60.0  $\mu\text{F}$

**Capacitance Tolerance:**

$\pm 5\%$  and  $\pm 10\%$ , standard  
(tolerances as close as  $\pm 1\%$  available)

**Voltage Rating:**

160 to 630 VDC  
100 to 250 VAC

**Operating Temperature**

Units may be operated at full rated  
voltage from  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

**Voltage De-rating above  $+85^{\circ}\text{C}$ :**

Units may be operated up to a  
maximum of  $+105^{\circ}\text{C}$  provided the  
voltage is de-rated linearly to 50%  
of the  $+85^{\circ}\text{C}$  rating.

**Dissipation Factor:**

Varies with capacitance and  
frequency, please contact us for  
specific details associated with  
your application environment.

**Insulation Resistance (measured at 100 VDC):**

At  $+25^{\circ}\text{C}$ : 400,000  $\text{M}\Omega$  for  $C \leq 0.5 \mu\text{F}$   
200,000  $\text{M}\Omega$ - $\mu\text{F}$  for  $C > 0.5 \mu\text{F}$   
At  $+85^{\circ}\text{C}$ : 20,000  $\text{M}\Omega$  for  $C \leq 0.5 \mu\text{F}$   
10,000  $\text{M}\Omega$ - $\mu\text{F}$  for  $C > 0.5 \mu\text{F}$

These are minimum ratings, call us if you have a  
more demanding requirement.

**Encapsulation:**

Wrapped with flame retardant polyester  
tape (meets UL510 specifications) and  
potted with flame retardant epoxy (meets  
UL94V-0 specifications).

**Lead Wire:**

Tinned Copper-Clad Steel for wire sizes:  
0.020 (0.5) diameter (#24 AWG)

Tinned Copper for wire sizes:  
0.025 (0.6) diameter (#22 AWG)  
0.032 (0.8) diameter (#20 AWG)  
0.040 (1.0) diameter (#18 AWG)

**Dielectric/Construction:**

Metallized Polypropylene film, single  
section design. Non-Inductively wound.

[RoHS Compliant](#)

In addition to the information provided here CDE also offers complete design and manufacturing  
of specific capacitance values, custom form factors, special lead terminations, etc.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

### General Specifications

The 760M series is designed and manufactured for use in many demanding power applications. They are non-inductively wound using the most reliable metallized polypropylene film available. A wide range of capacitance values, voltage ratings, lead terminations and sizes offer the designer an array of options to best meet the form, fit and function requirements specified.

#### Operating Temperature Range:

Standard operating temperature range is  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ . Units may be operated at the full rated voltage within this temperature range.

The 760M series may be operated up to a maximum temperature of  $+105^{\circ}\text{C}$ , however the voltage must be linearly de-rated to 50% of the full rated voltage at  $+105^{\circ}\text{C}$ .

#### Dielectric Withstanding Voltage:

Units shall withstand a DC potential of 200% of rated voltage applied between terminals for not more than 2 minutes.

#### Lead Bend Test:

After 3 consecutive  $180^{\circ}$  bends. No damage.

#### Lead Pull Test:

5 pounds (2.3 Kg) for one minute on lead axis. No damage.

#### Humidity Testing:

Units subjected to 95% relative humidity for 250 hours with no voltage applied at  $+40^{\circ}\text{C}$ . After 4 hours of drying, minimum product of insulation resistance and capacitance shall be  $40,000\text{ M}\Omega\text{-}\mu\text{F}$ , but need not exceed  $80,000\text{ M}\Omega$  at  $+25^{\circ}\text{C}$ .

#### DC Voltage Life Test:

1000 hours at  $+85^{\circ}\text{C}$  at 150% of rated voltage. After test; capacitance shall not have changed by more than  $\pm 2\%$  of initial value, insulation resistance shall not have decreased by more than 50% of initial value and dissipation factor shall not have increased to more than 0.12%. In addition, there shall be no open or short circuits, and no sign of visible damage.

#### AC Voltage Life Test:

Minimum of 1000 hours at  $+85^{\circ}\text{C}$  at 60 Hz. AC test voltage applied at 110% of rated AC voltage. After test; capacitance shall not have changed by more than  $\pm 5\%$  of initial value, insulation resistance shall not have decreased by more than 50% of initial value and dissipation factor shall not have changed by more than 0.03%. In addition, there shall be no open or short circuits, and no sign of visible damage. All measurements made at 1 KHz.

#### Dielectric Material/Construction:

The 760M series is manufactured using metallized polypropylene film as the dielectric. The capacitor element is non-inductively wound in a single section design.

Metallized polypropylene film utilizes a base film of polypropylene with a thin layer of aluminum vacuum deposited directly on the film as the electrode.

Metallized film exhibits a characteristic called "self-healing" or "self-clearing", which is the ability to remove a fault or short circuit in the dielectric film by vaporizing (from high current density) the metallization near the defect. The metallization is so thin that negligible film damage occurs during the clearing process. The vaporized metal oxidizes over time, aiding in the isolation of a fault area.

#### Additional Testing Notes:

Since it is not possible to list every detail of testing we perform we strongly encourage you to contact us with any specific question or requirement you may have. Thank you.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

# Type 760M

## Metallized Polypropylene Film Capacitors

### Ordering/Part Number Information

**760M 106 5 2 C - XXX**

A suffix may be added to denote special construction, packaging, marking, etc. **To specify unit with tinned copper lug terminations add -LUG in this position. Example: 760M10652-LUG.**

**Compact design indicator.** A letter "C" is added to indicate a compact size form factor. Refer to table of part numbers for specific sizes.

**DC Voltage Rating.** 1 = 160 VDC 4 = 400 VDC  
2 = 250 VDC 6 = 630 VDC

**Capacitance Tolerance.** 9 =  $\pm 10\%$ ; 5 =  $\pm 5\%$ ; 3 =  $\pm 3\%$   
2 =  $\pm 2\%$ ; 1 =  $\pm 1\%$

**Capacitance.** Expressed in Picofarads. The first two digits are the significant figures, the third is the number of zeros following (i.e. 106 = 10,000,000 pF = 10.0  $\mu$ F).

**CDE Type Number.** Identifies basic capacitor design.

### Standard Marking Format

#### Sample Marking on unit

CDE760M(C)  
106J 250V  
0130

#### Description

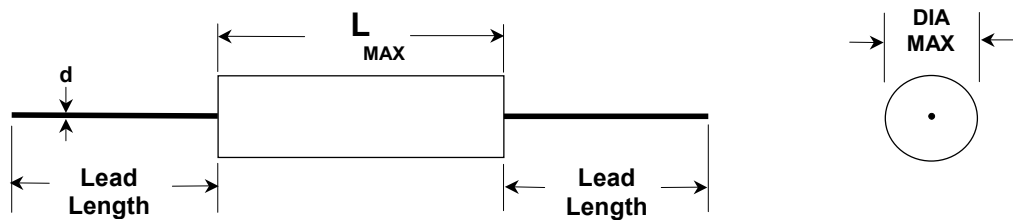
CDE - CDE Identification  
760M - Type Number. 760MC indicates compact design.  
250V - DC Voltage Rating  
106J - Capacitance and Tolerance Code  
0130 - Weekly Date Code (i.e. 30th week of 2001)

#### Tolerance codes per EIA standards

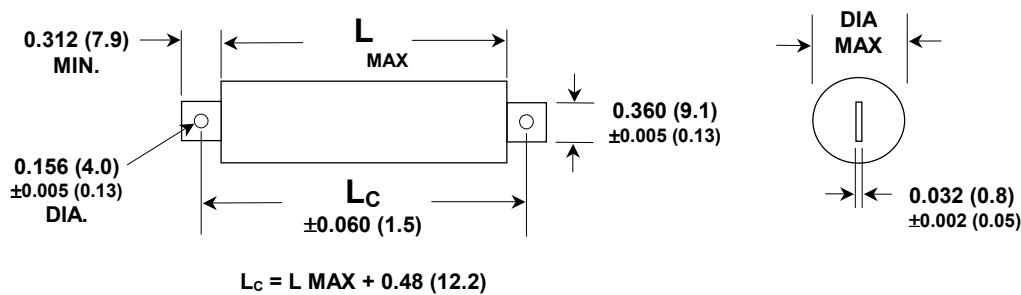
F  $\pm 1\%$   
G  $\pm 2\%$   
H  $\pm 3\%$   
J  $\pm 5\%$   
K  $\pm 10\%$

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

Dimension Outline



Wire Lead Termination (see lead length table below)



Tinned Solid Copper Lug Termination\*

**\*Please note:** Lug terminations are available on units 0.65 (16.5) or greater in Diameter. Please refer to Sizes and Ratings information for available values. If you have a specific requirement other than what you find shown here please contact us.

Lead Length Table

| L MAX dimension | Lead Length (Typical) |
|-----------------|-----------------------|
| 0.61 (15.5)     | 2.00 (50.8)           |
| 0.79 (20.1)     | 1.90 (48.3)           |
| 0.99 (25.1)     | 1.80 (45.7)           |
| 1.25 (31.8)     | 1.65 (41.9)           |
| 1.74 (44.2)     | 1.40 (35.6)           |
| 2.21 (56.1)     | 1.25 (31.8)           |

In all cases a MINIMUM lead length of 1.25 (31.8) will be met.

Lead Wire Size and Additional Termination Options

Standard lead wire sizes utilized in manufacturing range from 0.020 (0.5) diameter [#24 AWG] to 0.040 (1.0) diameter [#18 AWG]. We can also provide a variety of other wire sizes and material (i.e. heavier gauges, insulated wire, etc.). If the wire size or material listed on our standard items doesn't meet your specific requirements please contact us.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

# Type 760M

## Metallized Polypropylene Film Capacitors

### Type 760M Sizes and Ratings – 160 VDC/100 VAC

| Cap<br>(μF) | Base Part # <sup>1</sup> | Standard Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         | Compact Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         |
|-------------|--------------------------|------------------------------------------|-------------|-------------|---------------|---------|-----------------------------------------|-------------|-------------|---------------|---------|
|             |                          | L MAX                                    | DIA MAX     | Wire (d)    | V/μsec        | @100KHz | L MAX                                   | DIA MAX     | Wire (d)    | V/μsec        | @100KHz |
| 0.1         | 760M10451                | 0.61 (15.5)                              | 0.21 (5.3)  | 0.020 (0.5) | 12            | 29.1    |                                         |             |             |               |         |
| 0.12        | 760M12451                | 0.61 (15.5)                              | 0.22 (5.6)  | 0.020 (0.5) | 12            | 24.8    |                                         |             |             |               |         |
| 0.15        | 760M15451                | 0.61 (15.5)                              | 0.24 (6.1)  | 0.020 (0.5) | 12            | 20.5    |                                         |             |             |               |         |
| 0.18        | 760M18451                | 0.61 (15.5)                              | 0.26 (6.6)  | 0.020 (0.5) | 12            | 17.7    |                                         |             |             |               |         |
| 0.22        | 760M22451                | 0.79 (20.1)                              | 0.23 (5.8)  | 0.020 (0.5) | 7             | 32.8    | 0.61 (15.5)                             | 0.28 (7.1)  | 0.025 (0.6) | 14            | 15.3    |
| 0.25        | 760M25451                | 0.79 (20.1)                              | 0.24 (6.1)  | 0.020 (0.5) | 7             | 29.3    | 0.61 (15.5)                             | 0.30 (7.6)  | 0.025 (0.6) | 17            | 14.0    |
| 0.27        | 760M27451                | 0.79 (20.1)                              | 0.25 (6.4)  | 0.020 (0.5) | 7             | 27.4    | 0.61 (15.5)                             | 0.31 (7.9)  | 0.025 (0.6) | 18            | 13.3    |
| 0.30        | 760M30451                | 0.79 (20.1)                              | 0.26 (6.6)  | 0.025 (0.6) | 7             | 25.0    | 0.61 (15.5)                             | 0.32 (8.1)  | 0.025 (0.6) | 20            | 12.5    |
| 0.33        | 760M33451                | 0.79 (20.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 7             | 20.8    | 0.61 (15.5)                             | 0.34 (8.6)  | 0.025 (0.6) | 22            | 11.8    |
| 0.39        | 760M39451                | 0.79 (20.1)                              | 0.29 (7.4)  | 0.025 (0.6) | 9             | 17.7    | 0.61 (15.5)                             | 0.36 (9.1)  | 0.025 (0.6) | 24            | 10.8    |
| 0.43        | 760M43451                | 0.99 (25.1)                              | 0.26 (6.6)  | 0.025 (0.6) | 5             | 31.7    | 0.79 (20.1)                             | 0.30 (7.6)  | 0.025 (0.6) | 10            | 16.2    |
| 0.47        | 760M47451                | 0.99 (25.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 5             | 29.0    | 0.79 (20.1)                             | 0.31 (7.9)  | 0.025 (0.6) | 11            | 14.9    |
| 0.5         | 760M50451                | 0.99 (25.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 5             | 27.3    | 0.79 (20.1)                             | 0.32 (8.1)  | 0.025 (0.6) | 12            | 14.1    |
| 0.56        | 760M56451                | 0.99 (25.1)                              | 0.29 (7.4)  | 0.025 (0.6) | 6             | 24.5    | 0.79 (20.1)                             | 0.34 (8.6)  | 0.025 (0.6) | 13            | 12.7    |
| 0.6         | 760M60451                | 0.99 (25.1)                              | 0.30 (7.6)  | 0.025 (0.6) | 7             | 22.9    | 0.79 (20.1)                             | 0.35 (8.9)  | 0.025 (0.6) | 14            | 11.9    |
| 0.62        | 760M62451                | 0.99 (25.1)                              | 0.30 (7.6)  | 0.025 (0.6) | 7             | 22.2    | 0.79 (20.1)                             | 0.35 (8.9)  | 0.025 (0.6) | 14            | 11.5    |
| 0.68        | 760M68451                | 0.99 (25.1)                              | 0.31 (7.9)  | 0.025 (0.6) | 8             | 20.4    | 0.79 (20.1)                             | 0.37 (9.4)  | 0.025 (0.6) | 15            | 10.6    |
| 0.75        | 760M75451                | 0.99 (25.1)                              | 0.32 (8.1)  | 0.025 (0.6) | 8             | 18.5    | 0.79 (20.1)                             | 0.38 (9.7)  | 0.025 (0.6) | 15            | 9.8     |
| 0.82        | 760M82451                | 0.99 (25.1)                              | 0.34 (8.6)  | 0.025 (0.6) | 9             | 17.1    | 0.79 (20.1)                             | 0.40 (10.2) | 0.025 (0.6) | 16            | 9.0     |
| 0.9         | 760M90451                | 0.99 (25.1)                              | 0.35 (8.9)  | 0.025 (0.6) | 9             | 15.6    | 0.79 (20.1)                             | 0.42 (10.7) | 0.025 (0.6) | 17            | 8.3     |
| 1.0         | 760M10551                | 0.99 (25.1)                              | 0.37 (9.4)  | 0.025 (0.6) | 10            | 14.2    | 0.79 (20.1)                             | 0.44 (11.2) | 0.025 (0.6) | 22            | 7.7     |
| 1.2         | 760M12551                | 0.99 (25.1)                              | 0.40 (10.2) | 0.032 (0.8) | 11            | 12.0    | 0.79 (20.1)                             | 0.47 (11.9) | 0.025 (0.6) | 22            | 6.6     |
| 1.5         | 760M15551                | 0.99 (25.1)                              | 0.44 (11.2) | 0.032 (0.8) | 15            | 9.9     | 0.79 (20.1)                             | 0.53 (13.5) | 0.025 (0.6) | 23            | 5.6     |
| 1.8         | 760M18551                | 1.25 (31.8)                              | 0.42 (10.7) | 0.032 (0.8) | 9             | 14.0    | 0.99 (25.1)                             | 0.48 (12.2) | 0.032 (0.8) | 15            | 8.5     |
| 2.0         | 760M20551                | 1.25 (31.8)                              | 0.44 (11.2) | 0.032 (0.8) | 11            | 12.4    | 0.99 (25.1)                             | 0.51 (13.0) | 0.032 (0.8) | 15            | 7.8     |
| 2.2         | 760M22551                | 1.25 (31.8)                              | 0.46 (11.7) | 0.032 (0.8) | 11            | 11.3    | 0.99 (25.1)                             | 0.53 (13.5) | 0.032 (0.8) | 16            | 6.8     |
| 2.5         | 760M25551                | 1.25 (31.8)                              | 0.49 (12.4) | 0.032 (0.8) | 11            | 10.0    | 0.99 (25.1)                             | 0.56 (14.2) | 0.032 (0.8) | 16            | 6.2     |
| 2.7         | 760M27551                | 1.25 (31.8)                              | 0.51 (13.0) | 0.032 (0.8) | 12            | 9.4     | 0.99 (25.1)                             | 0.58 (14.7) | 0.032 (0.8) | 16            | 5.8     |
| 3.0         | 760M30551                | 1.25 (31.8)                              | 0.53 (13.5) | 0.032 (0.8) | 12            | 8.6     | 0.99 (25.1)                             | 0.61 (15.5) | 0.032 (0.8) | 16            | 5.3     |
| 3.3         | 760M33551                | 1.25 (31.8)                              | 0.56 (14.2) | 0.032 (0.8) | 12            | 7.9     | 0.99 (25.1)                             | 0.64 (16.3) | 0.032 (0.8) | 16            | 5.0     |
| 3.6         | 760M36551                | 1.74 (44.2)                              | 0.48 (12.2) | 0.032 (0.8) | 7             | 16.1    | 1.25 (31.8)                             | 0.58 (14.7) | 0.032 (0.8) | 12            | 7.4     |
| 3.9         | 760M39551                | 1.74 (44.2)                              | 0.50 (12.7) | 0.032 (0.8) | 7             | 15.0    | 1.25 (31.8)                             | 0.60 (15.2) | 0.032 (0.8) | 12            | 6.9     |
| 4.7         | 760M47551                | 1.74 (44.2)                              | 0.54 (13.7) | 0.032 (0.8) | 7             | 12.6    | 1.25 (31.8)                             | 0.66 (16.8) | 0.032 (0.8) | 12            | 5.9     |
| 5.0         | 760M50551                | 1.74 (44.2)                              | 0.56 (14.2) | 0.032 (0.8) | 7             | 11.9    | 1.25 (31.8)                             | 0.68 (17.3) | 0.032 (0.8) | 12            | 5.7     |
| 5.6         | 760M56551                | 1.74 (44.2)                              | 0.59 (15.0) | 0.032 (0.8) | 7             | 10.8    | 1.25 (31.8)                             | 0.72 (18.3) | 0.032 (0.8) | 12            | 5.2     |
| 6.0         | 760M60551                | 1.74 (44.2)                              | 0.61 (15.5) | 0.032 (0.8) | 7             | 10.1    | 1.25 (31.8)                             | 0.74 (18.8) | 0.032 (0.8) | 12            | 5.0     |
| 6.8         | 760M68551                | 1.74 (44.2)                              | 0.64 (16.3) | 0.032 (0.8) | 7             | 9.1     | 1.25 (31.8)                             | 0.79 (20.1) | 0.032 (0.8) | 12            | 4.6     |
| 7.0         | 760M70551                | 1.74 (44.2)                              | 0.65 (16.5) | 0.032 (0.8) | 8             | 8.9     | 1.25 (31.8)                             | 0.80 (20.3) | 0.032 (0.8) | 12            | 4.5     |
| 7.5         | 760M75551                | 1.74 (44.2)                              | 0.67 (17.0) | 0.032 (0.8) | 8             | 8.4     | 1.25 (31.8)                             | 0.83 (21.1) | 0.032 (0.8) | 12            | 4.3     |
| 8.0         | 760M80551                | 1.74 (44.2)                              | 0.69 (17.5) | 0.032 (0.8) | 8             | 8.0     | 1.25 (31.8)                             | 0.85 (21.6) | 0.032 (0.8) | 12            | 4.2     |
| 9.0         | 760M90551                | 2.21 (56.1)                              | 0.63 (16.0) | 0.032 (0.8) | 6             | 12.2    | 1.74 (44.2)                             | 0.73 (18.5) | 0.040 (1.0) | 8             | 7.2     |
| 10.0        | 760M10651                | 2.21 (56.1)                              | 0.67 (17.0) | 0.032 (0.8) | 6             | 11.1    | 1.74 (44.2)                             | 0.77 (19.6) | 0.040 (1.0) | 8             | 6.7     |
| 12.0        | 760M12651                | 2.21 (56.1)                              | 0.73 (18.5) | 0.032 (0.8) | 6             | 9.5     | 1.74 (44.2)                             | 0.84 (21.3) | 0.040 (1.0) | 8             | 5.8     |
| 15.0        | 760M15651                | 2.21 (56.1)                              | 0.81 (20.6) | 0.040 (1.0) | 6             | 7.5     | 1.74 (44.2)                             | 0.93 (23.6) | 0.040 (1.0) | 8             | 4.5     |
| 18.0        | 760M18651                | 2.21 (56.1)                              | 0.88 (22.4) | 0.040 (1.0) | 6             | 6.4     | 1.74 (44.2)                             | 1.02 (25.9) | 0.040 (1.0) | 8             | 4.0     |
| 20.0        | 760M20651                | 2.21 (56.1)                              | 0.93 (23.6) | 0.040 (1.0) | 6             | 5.9     | 1.74 (44.2)                             | 1.07 (27.2) | 0.040 (1.0) | 8             | 3.7     |
| 22.0        | 760M22651                | 2.21 (56.1)                              | 0.97 (24.6) | 0.040 (1.0) | 6             | 5.5     | 1.74 (44.2)                             | 1.13 (28.7) | 0.040 (1.0) | 8             | 3.5     |
| 25.0        | 760M25651                | 2.21 (56.1)                              | 1.03 (26.2) | 0.040 (1.0) | 6             | 5.0     | 1.74 (44.2)                             | 1.20 (30.5) | 0.040 (1.0) | 8             | 3.3     |
| 30.0        | 760M30651                | 2.21 (56.1)                              | 1.13 (28.7) | 0.040 (1.0) | 6             | 4.4     | 1.74 (44.2)                             | 1.31 (33.3) | 0.040 (1.0) | 8             | 3.0     |
| 35.0        | 760M35651                | 2.21 (56.1)                              | 1.22 (31.0) | 0.040 (1.0) | 6             | 4.0     | 1.74 (44.2)                             | 1.41 (35.8) | 0.040 (1.0) | 8             | 2.9     |
| 40.0        | 760M40651                | 2.21 (56.1)                              | 1.30 (33.0) | 0.040 (1.0) | 6             | 3.7     | 1.74 (44.2)                             | 1.51 (38.4) | 0.040 (1.0) | 8             | 2.7     |
| 45.0        | 760M45651                | 2.21 (56.1)                              | 1.37 (34.8) | 0.040 (1.0) | 6             | 3.5     | 1.74 (44.2)                             | 1.60 (40.6) | 0.040 (1.0) | 8             | 2.7     |
| 50.0        | 760M50651                | 2.21 (56.1)                              | 1.45 (36.8) | 0.040 (1.0) | 6             | 3.3     |                                         |             |             |               |         |
| 55.0        | 760M55651                | 2.21 (56.1)                              | 1.52 (38.6) | 0.040 (1.0) | 6             | 3.2     |                                         |             |             |               |         |
| 60.0        | 760M60651                | 2.21 (56.1)                              | 1.58 (40.1) | 0.040 (1.0) | 6             | 3.1     |                                         |             |             |               |         |

\* ESR ratings listed are Maximum. Please contact us for additional ESR data.

<sup>1</sup> Please refer to Ordering/Part Number page for specific part numbering details.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

# Type 760M

## Metallized Polypropylene Film Capacitors

### Type 760M Sizes and Ratings – 250 VDC/175 VAC

| Cap<br>(μF) | Base Part # <sup>1</sup> | Standard Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         | Compact Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         |
|-------------|--------------------------|------------------------------------------|-------------|-------------|---------------|---------|-----------------------------------------|-------------|-------------|---------------|---------|
|             |                          | L MAX                                    | DIA MAX     | Wire (d)    | V/μsec        | @100KHz | L MAX                                   | DIA MAX     | Wire (d)    | V/μsec        | @100KHz |
| 0.047       | 760M47352                | 0.61 (15.5)                              | 0.21 (5.3)  | 0.020 (0.5) | 18            | 42.9    |                                         |             |             |               |         |
| 0.05        | 760M50352                | 0.61 (15.5)                              | 0.22 (5.6)  | 0.020 (0.5) | 18            | 40.5    |                                         |             |             |               |         |
| 0.056       | 760M56352                | 0.61 (15.5)                              | 0.22 (5.6)  | 0.020 (0.5) | 18            | 36.5    |                                         |             |             |               |         |
| 0.062       | 760M62352                | 0.61 (15.5)                              | 0.23 (5.8)  | 0.020 (0.5) | 18            | 33.3    |                                         |             |             |               |         |
| 0.068       | 760M68352                | 0.62 (15.5)                              | 0.24 (6.1)  | 0.020 (0.5) | 18            | 30.7    |                                         |             |             |               |         |
| 0.075       | 760M75352                | 0.62 (15.5)                              | 0.25 (6.40) | 0.020 (0.5) | 18            | 28.2    |                                         |             |             |               |         |
| 0.082       | 760M82352                | 0.79 (20.1)                              | 0.21 (5.3)  | 0.020 (0.5) | 10            | 58.0    | 0.61 (15.5)                             | 0.26 (6.6)  | 0.025 (0.6) | 18            | 26.1    |
| 0.1         | 760M10452                | 0.79 (20.1)                              | 0.23 (5.8)  | 0.020 (0.5) | 10            | 48.1    | 0.61 (15.5)                             | 0.28 (7.1)  | 0.025 (0.6) | 21            | 22.2    |
| 0.12        | 760M12452                | 0.79 (20.1)                              | 0.25 (6.4)  | 0.020 (0.5) | 10            | 40.7    | 0.61 (15.5)                             | 0.31 (7.9)  | 0.025 (0.6) | 27            | 19.3    |
| 0.15        | 760M15452                | 0.79 (20.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 10            | 31.0    | 0.61 (15.5)                             | 0.34 (7.1)  | 0.025 (0.6) | 33            | 16.4    |
| 0.18        | 760M18452                | 0.99 (25.1)                              | 0.25 (6.4)  | 0.020 (0.5) | 7             | 50.7    | 0.79 (20.1)                             | 0.29 (7.4)  | 0.025 (0.6) | 14            | 26.0    |
| 0.22        | 760M22452                | 0.99 (25.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 7             | 41.6    | 0.79 (20.1)                             | 0.32 (8.1)  | 0.025 (0.6) | 17            | 21.5    |
| 0.25        | 760M25452                | 0.99 (25.1)                              | 0.29 (7.4)  | 0.025 (0.6) | 9             | 36.8    | 0.79 (20.1)                             | 0.34 (8.6)  | 0.025 (0.6) | 19            | 19.0    |
| 0.27        | 760M27452                | 0.99 (25.1)                              | 0.30 (7.6)  | 0.025 (0.6) | 10            | 34.1    | 0.79 (20.1)                             | 0.35 (8.9)  | 0.025 (0.6) | 20            | 17.7    |
| 0.30        | 760M30452                | 0.99 (25.1)                              | 0.31 (7.9)  | 0.025 (0.6) | 11            | 30.8    | 0.79 (20.1)                             | 0.36 (9.1)  | 0.025 (0.6) | 22            | 16.0    |
| 0.33        | 760M33452                | 0.99 (25.1)                              | 0.32 (8.1)  | 0.025 (0.6) | 12            | 28.1    | 0.79 (20.1)                             | 0.38 (9.7)  | 0.025 (0.6) | 23            | 14.7    |
| 0.39        | 760M39452                | 0.99 (25.1)                              | 0.35 (8.9)  | 0.025 (0.6) | 14            | 23.9    | 0.79 (20.1)                             | 0.41 (10.4) | 0.025 (0.6) | 25            | 12.6    |
| 0.43        | 760M43452                | 0.99 (25.1)                              | 0.36 (9.1)  | 0.025 (0.6) | 15            | 21.8    | 0.79 (20.1)                             | 0.43 (10.9) | 0.025 (0.6) | 33            | 11.6    |
| 0.47        | 760M47452                | 0.99 (25.1)                              | 0.38 (9.7)  | 0.025 (0.6) | 16            | 20.1    | 0.79 (20.1)                             | 0.45 (11.4) | 0.025 (0.6) | 33            | 10.7    |
| 0.5         | 760M50452                | 0.99 (25.1)                              | 0.39 (9.9)  | 0.032 (0.8) | 16            | 18.9    | 0.79 (20.1)                             | 0.46 (11.7) | 0.025 (0.6) | 34            | 10.2    |
| 0.56        | 760M56452                | 1.25 (31.8)                              | 0.36 (9.1)  | 0.025 (0.6) | 11            | 29.0    | 0.99 (25.1)                             | 0.41 (10.4) | 0.032 (0.8) | 17            | 17.0    |
| 0.6         | 760M60452                | 1.25 (31.8)                              | 0.37 (9.4)  | 0.025 (0.6) | 11            | 27.1    | 0.99 (25.1)                             | 0.42 (10.7) | 0.032 (0.8) | 17            | 16.0    |
| 0.62        | 760M62452                | 1.25 (31.8)                              | 0.37 (9.4)  | 0.025 (0.6) | 11            | 26.3    | 0.99 (25.1)                             | 0.43 (10.9) | 0.032 (0.8) | 23            | 15.5    |
| 0.68        | 760M68452                | 1.25 (31.8)                              | 0.39 (9.9)  | 0.032 (0.8) | 12            | 24.1    | 0.99 (25.1)                             | 0.45 (11.4) | 0.032 (0.8) | 23            | 14.3    |
| 0.75        | 760M75452                | 1.25 (31.8)                              | 0.41 (10.4) | 0.032 (0.8) | 13            | 22.0    | 0.99 (25.1)                             | 0.47 (11.9) | 0.032 (0.8) | 23            | 13.1    |
| 0.82        | 760M82452                | 1.25 (31.8)                              | 0.42 (10.7) | 0.032 (0.8) | 17            | 20.2    | 0.99 (25.1)                             | 0.49 (12.4) | 0.032 (0.8) | 23            | 12.1    |
| 0.9         | 760M90452                | 1.25 (31.8)                              | 0.44 (11.2) | 0.032 (0.8) | 17            | 18.2    | 0.99 (25.1)                             | 0.51 (13.0) | 0.032 (0.8) | 23            | 11.2    |
| 1.0         | 760M10552                | 1.25 (31.8)                              | 0.47 (11.9) | 0.032 (0.8) | 17            | 16.4    | 0.99 (25.1)                             | 0.53 (11.2) | 0.032 (0.8) | 23            | 9.8     |
| 1.2         | 760M12552                | 1.25 (31.8)                              | 0.51 (13.0) | 0.032 (0.8) | 17            | 13.9    | 0.99 (25.1)                             | 0.58 (14.7) | 0.032 (0.8) | 23            | 8.4     |
| 1.5         | 760M15552                | 1.25 (31.8)                              | 0.56 (14.2) | 0.032 (0.8) | 17            | 11.3    | 0.99 (25.1)                             | 0.65 (16.5) | 0.032 (0.8) | 24            | 7.0     |
| 1.8         | 760M18552                | 1.74 (44.2)                              | 0.51 (13.0) | 0.032 (0.8) | 11            | 21.4    | 1.25 (31.8)                             | 0.61 (15.5) | 0.032 (0.8) | 17            | 9.6     |
| 2.0         | 760M20552                | 1.74 (44.2)                              | 0.53 (13.5) | 0.032 (0.8) | 11            | 19.4    | 1.25 (31.8)                             | 0.65 (16.5) | 0.032 (0.8) | 18            | 8.8     |
| 2.2         | 760M22552                | 1.74 (44.2)                              | 0.55 (14.0) | 0.032 (0.8) | 11            | 17.7    | 1.25 (31.8)                             | 0.68 (17.3) | 0.032 (0.8) | 18            | 8.1     |
| 2.5         | 760M25552                | 1.74 (44.2)                              | 0.59 (15.0) | 0.032 (0.8) | 11            | 15.7    | 1.25 (31.8)                             | 0.72 (18.3) | 0.032 (0.8) | 18            | 7.3     |
| 2.7         | 760M27552                | 1.74 (44.2)                              | 0.61 (15.5) | 0.032 (0.8) | 11            | 14.7    | 1.25 (31.8)                             | 0.75 (19.1) | 0.032 (0.8) | 18            | 6.9     |
| 3.0         | 760M30552                | 1.74 (44.2)                              | 0.64 (16.3) | 0.032 (0.8) | 11            | 13.3    | 1.25 (31.8)                             | 0.78 (19.8) | 0.032 (0.8) | 18            | 6.4     |
| 3.3         | 760M33552                | 1.74 (44.2)                              | 0.67 (17.0) | 0.032 (0.8) | 11            | 12.2    | 1.25 (31.8)                             | 0.82 (20.8) | 0.032 (0.8) | 18            | 6.0     |
| 3.6         | 760M36552                | 1.74 (44.2)                              | 0.70 (17.8) | 0.032 (0.8) | 11            | 11.3    | 1.25 (31.8)                             | 0.86 (21.8) | 0.032 (0.8) | 18            | 5.6     |
| 3.9         | 760M39552                | 1.74 (44.2)                              | 0.72 (18.3) | 0.032 (0.8) | 11            | 10.6    | 1.25 (31.8)                             | 0.89 (22.6) | 0.032 (0.8) | 18            | 5.3     |
| 4.7         | 760M47552                | 2.21 (56.1)                              | 0.68 (17.3) | 0.032 (0.8) | 8             | 15.4    | 1.74 (44.2)                             | 0.79 (20.1) | 0.040 (1.0) | 11            | 9.1     |
| 5.0         | 760M50552                | 2.21 (56.1)                              | 0.70 (17.8) | 0.032 (0.8) | 8             | 14.6    | 1.74 (44.2)                             | 0.81 (20.6) | 0.040 (1.0) | 11            | 8.6     |
| 5.6         | 760M56552                | 2.21 (56.1)                              | 0.74 (18.8) | 0.032 (0.8) | 8             | 13.2    | 1.74 (44.2)                             | 0.86 (21.8) | 0.040 (1.0) | 11            | 7.9     |
| 6.0         | 760M60552                | 2.21 (56.1)                              | 0.77 (19.6) | 0.040 (1.0) | 8             | 12.0    | 1.74 (44.2)                             | 0.89 (22.6) | 0.040 (1.0) | 11            | 7.0     |
| 6.8         | 760M68552                | 2.21 (56.1)                              | 0.81 (20.6) | 0.040 (1.0) | 8             | 10.7    | 1.74 (44.2)                             | 0.94 (23.9) | 0.040 (1.0) | 11            | 6.3     |
| 7.0         | 760M70552                | 2.21 (56.1)                              | 0.83 (21.1) | 0.040 (1.0) | 8             | 10.4    | 1.74 (44.2)                             | 0.96 (24.4) | 0.040 (1.0) | 11            | 6.2     |
| 7.5         | 760M75552                | 2.21 (56.1)                              | 0.85 (21.6) | 0.040 (1.0) | 8             | 9.8     | 1.74 (44.2)                             | 0.99 (25.1) | 0.040 (1.0) | 11            | 5.8     |
| 8.0         | 760M80552                | 2.21 (56.1)                              | 0.88 (22.4) | 0.040 (1.0) | 8             | 9.3     | 1.74 (44.2)                             | 1.02 (25.9) | 0.040 (1.0) | 11            | 5.6     |
| 9.0         | 760M90552                | 2.21 (56.1)                              | 0.93 (23.6) | 0.040 (1.0) | 8             | 8.4     | 1.74 (44.2)                             | 1.08 (27.4) | 0.040 (1.0) | 11            | 5.1     |
| 10.0        | 760M10652                | 2.21 (56.1)                              | 0.98 (24.9) | 0.040 (1.0) | 8             | 7.7     | 1.74 (44.2)                             | 1.14 (29.0) | 0.040 (1.0) | 11            | 4.7     |
| 12.0        | 760M12652                | 2.21 (56.1)                              | 1.07 (27.2) | 0.040 (1.0) | 8             | 6.6     | 1.74 (44.2)                             | 1.24 (31.5) | 0.040 (1.0) | 11            | 4.2     |
| 15.0        | 760M15652                | 2.21 (56.1)                              | 1.19 (30.2) | 0.040 (1.0) | 8             | 5.6     | 1.74 (44.2)                             | 1.39 (35.3) | 0.040 (1.0) | 11            | 3.7     |
| 18.0        | 760M18652                | 2.21 (56.1)                              | 1.31 (33.3) | 0.040 (1.0) | 8             | 4.9     | 1.74 (44.2)                             | 1.52 (38.6) | 0.040 (1.0) | 11            | 3.4     |
| 20.0        | 760M20652                | 2.21 (56.1)                              | 1.37 (34.8) | 0.040 (1.0) | 8             | 4.6     | 1.74 (44.2)                             | 1.60 (40.6) | 0.040 (1.0) | 11            | 3.3     |
| 22.0        | 760M22652                | 2.21 (56.1)                              | 1.44 (36.6) | 0.040 (1.0) | 8             | 4.4     |                                         |             |             |               |         |
| 25.0        | 760M25652                | 2.21 (56.1)                              | 1.53 (38.9) | 0.040 (1.0) | 8             | 4.1     |                                         |             |             |               |         |

<sup>1</sup> Please refer to Ordering/Part Number page for specific part numbering details.

\* ESR ratings listed are Maximum. Please contact us for additional ESR data.

Dimensions are in inches, millimeters in parentheses

# Type 760M

## Metallized Polypropylene Film Capacitors

### Type 760M Sizes and Ratings – 400 VDC/220 VAC

| Cap<br>(µF) | Base Part # <sup>1</sup> | Standard Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         | Compact Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         |
|-------------|--------------------------|------------------------------------------|-------------|-------------|---------------|---------|-----------------------------------------|-------------|-------------|---------------|---------|
|             |                          | L MAX                                    | DIA MAX     | Wire (d)    | V/µsec        | @100KHz | L MAX                                   | DIA MAX     | Wire (d)    | V/µsec        | @100KHz |
| 0.027       | 760M27354                | 0.61 (15.5)                              | 0.22 (5.6)  | 0.020 (0.5) | 27            | 50.6    |                                         |             |             |               |         |
| 0.033       | 760M33354                | 0.61 (15.5)                              | 0.24 (6.1)  | 0.020 (0.5) | 27            | 42.0    |                                         |             |             |               |         |
| 0.039       | 760M39354                | 0.61 (15.5)                              | 0.26 (6.6)  | 0.020 (0.5) | 27            | 36.2    |                                         |             |             |               |         |
| 0.043       | 760M43354                | 0.61 (15.5)                              | 0.27 (6.9)  | 0.020 (0.5) | 27            | 33.2    |                                         |             |             |               |         |
| 0.047       | 760M47354                | 0.79 (20.1)                              | 0.22 (5.6)  | 0.020 (0.5) | 15            | 69.9    | 0.61 (15.5)                             | 0.28 (7.1)  | 0.020 (0.5) | 31            | 30.7    |
| 0.05        | 760M50354                | 0.79 (20.1)                              | 0.23 (5.8)  | 0.020 (0.5) | 15            | 65.9    | 0.61 (15.5)                             | 0.29 (7.4)  | 0.020 (0.5) | 35            | 29.1    |
| 0.056       | 760M56354                | 0.79 (20.1)                              | 0.24 (6.1)  | 0.020 (0.5) | 15            | 59.3    | 0.61 (15.5)                             | 0.30 (7.6)  | 0.020 (0.5) | 40            | 26.5    |
| 0.062       | 760M62354                | 0.79 (20.1)                              | 0.25 (6.4)  | 0.020 (0.5) | 15            | 53.9    | 0.61 (15.5)                             | 0.32 (8.1)  | 0.020 (0.5) | 45            | 24.4    |
| 0.068       | 760M68354                | 0.79 (20.1)                              | 0.26 (6.6)  | 0.020 (0.5) | 15            | 49.5    | 0.61 (15.5)                             | 0.33 (8.4)  | 0.020 (0.5) | 48            | 22.7    |
| 0.075       | 760M75354                | 0.99 (25.1)                              | 0.23 (5.8)  | 0.025 (0.6) | 10            | 86.1    | 0.79 (20.1)                             | 0.27 (6.9)  | 0.025 (0.6) | 15            | 42.9    |
| 0.082       | 760M82354                | 0.99 (25.1)                              | 0.23 (5.8)  | 0.025 (0.6) | 10            | 78.8    | 0.79 (20.1)                             | 0.28 (7.1)  | 0.025 (0.6) | 16            | 39.3    |
| 0.1         | 760M10454                | 0.99 (25.1)                              | 0.25 (6.4)  | 0.025 (0.6) | 10            | 64.8    | 0.79 (20.1)                             | 0.30 (7.6)  | 0.025 (0.6) | 22            | 32.4    |
| 0.12        | 760M12454                | 0.99 (25.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 10            | 54.1    | 0.79 (20.1)                             | 0.32 (8.1)  | 0.025 (0.6) | 26            | 27.2    |
| 0.15        | 760M15454                | 0.99 (25.1)                              | 0.30 (7.6)  | 0.025 (0.6) | 14            | 43.5    | 0.79 (20.1)                             | 0.36 (9.1)  | 0.025 (0.6) | 30            | 22.0    |
| 0.18        | 760M18454                | 0.99 (25.1)                              | 0.32 (8.1)  | 0.025 (0.6) | 17            | 36.4    | 0.79 (20.1)                             | 0.39 (9.9)  | 0.025 (0.6) | 34            | 18.5    |
| 0.22        | 760M22454                | 0.99 (25.1)                              | 0.35 (8.9)  | 0.025 (0.6) | 20            | 30.0    | 0.79 (20.1)                             | 0.43 (10.9) | 0.025 (0.6) | 48            | 15.4    |
| 0.25        | 760M25454                | 0.99 (25.1)                              | 0.38 (9.7)  | 0.025 (0.6) | 22            | 26.5    | 0.79 (20.1)                             | 0.45 (11.4) | 0.025 (0.6) | 48            | 13.7    |
| 0.27        | 760M27454                | 0.99 (25.1)                              | 0.39 (9.9)  | 0.025 (0.6) | 22            | 24.7    | 0.79 (20.1)                             | 0.47 (11.9) | 0.025 (0.6) | 48            | 12.8    |
| 0.30        | 760M30454                | 1.25 (31.8)                              | 0.35 (8.9)  | 0.025 (0.6) | 15            | 38.8    | 0.99 (25.1)                             | 0.41 (10.4) | 0.025 (0.6) | 23            | 22.3    |
| 0.33        | 760M33454                | 1.25 (31.8)                              | 0.37 (9.4)  | 0.025 (0.6) | 15            | 35.4    | 0.99 (25.1)                             | 0.43 (10.9) | 0.025 (0.6) | 32            | 20.4    |
| 0.39        | 760M39454                | 1.25 (31.8)                              | 0.40 (10.2) | 0.025 (0.6) | 17            | 30.2    | 0.99 (25.1)                             | 0.46 (11.7) | 0.025 (0.6) | 32            | 17.5    |
| 0.43        | 760M43454                | 1.25 (31.8)                              | 0.42 (10.7) | 0.025 (0.6) | 17            | 27.5    | 0.99 (25.1)                             | 0.48 (12.2) | 0.025 (0.6) | 32            | 16.0    |
| 0.47        | 760M47454                | 1.25 (31.8)                              | 0.43 (10.9) | 0.025 (0.6) | 23            | 25.3    | 0.99 (25.1)                             | 0.50 (12.7) | 0.025 (0.6) | 32            | 14.8    |
| 0.5         | 760M50454                | 1.25 (31.8)                              | 0.45 (11.4) | 0.032 (0.8) | 23            | 23.5    | 0.99 (25.1)                             | 0.52 (13.2) | 0.032 (0.8) | 32            | 13.6    |
| 0.56        | 760M56454                | 1.25 (31.8)                              | 0.47 (11.9) | 0.032 (0.8) | 23            | 21.1    | 0.99 (25.1)                             | 0.54 (13.7) | 0.032 (0.8) | 32            | 12.3    |
| 0.6         | 760M60454                | 1.25 (31.8)                              | 0.49 (12.4) | 0.032 (0.8) | 24            | 19.7    | 0.99 (25.1)                             | 0.56 (14.2) | 0.032 (0.8) | 32            | 11.5    |
| 0.62        | 760M62454                | 1.25 (31.8)                              | 0.49 (12.4) | 0.032 (0.8) | 24            | 19.1    | 0.99 (25.1)                             | 0.57 (14.5) | 0.032 (0.8) | 32            | 11.2    |
| 0.68        | 760M68454                | 1.25 (31.8)                              | 0.51 (13.0) | 0.032 (0.8) | 24            | 17.5    | 0.99 (25.1)                             | 0.60 (15.2) | 0.032 (0.8) | 33            | 10.3    |
| 0.75        | 760M75454                | 1.25 (31.8)                              | 0.54 (13.7) | 0.032 (0.8) | 24            | 16.0    | 0.99 (25.1)                             | 0.62 (15.7) | 0.032 (0.8) | 33            | 9.5     |
| 0.82        | 760M82454                | 1.25 (31.8)                              | 0.56 (14.2) | 0.032 (0.8) | 24            | 14.7    | 0.99 (25.1)                             | 0.65 (16.5) | 0.032 (0.8) | 33            | 8.8     |
| 0.9         | 760M90454                | 1.74 (44.2)                              | 0.48 (12.2) | 0.032 (0.8) | 15            | 31.2    | 1.25 (31.8)                             | 0.59 (15.0) | 0.032 (0.8) | 24            | 13.5    |
| 1.0         | 760M10554                | 1.74 (44.2)                              | 0.50 (12.7) | 0.032 (0.8) | 15            | 28.2    | 1.25 (31.8)                             | 0.62 (15.7) | 0.032 (0.8) | 24            | 12.3    |
| 1.2         | 760M12554                | 1.74 (44.2)                              | 0.55 (14.0) | 0.032 (0.8) | 15            | 23.7    | 1.25 (31.8)                             | 0.67 (17.0) | 0.032 (0.8) | 24            | 10.5    |
| 1.5         | 760M15554                | 1.74 (44.2)                              | 0.61 (15.5) | 0.032 (0.8) | 15            | 19.2    | 1.25 (31.8)                             | 0.75 (19.1) | 0.032 (0.8) | 24            | 8.7     |
| 1.8         | 760M18554                | 1.74 (44.2)                              | 0.66 (16.8) | 0.032 (0.8) | 15            | 16.2    | 1.25 (31.8)                             | 0.82 (20.8) | 0.032 (0.8) | 24            | 7.5     |
| 2.0         | 760M20554                | 2.21 (56.1)                              | 0.60 (15.2) | 0.032 (0.8) | 11            | 26.1    | 1.74 (44.2)                             | 0.70 (17.8) | 0.032 (0.8) | 15            | 14.7    |
| 2.2         | 760M22554                | 2.21 (56.1)                              | 0.63 (16.0) | 0.032 (0.8) | 11            | 23.9    | 1.74 (44.2)                             | 0.73 (18.5) | 0.032 (0.8) | 15            | 13.5    |
| 2.5         | 760M25554                | 2.21 (56.1)                              | 0.67 (17.0) | 0.032 (0.8) | 11            | 21.2    | 1.74 (44.2)                             | 0.77 (19.6) | 0.032 (0.8) | 15            | 12.1    |
| 2.7         | 760M27554                | 2.21 (56.1)                              | 0.69 (17.5) | 0.032 (0.8) | 11            | 19.7    | 1.74 (44.2)                             | 0.80 (20.3) | 0.032 (0.8) | 15            | 11.3    |
| 3.0         | 760M30554                | 2.21 (56.1)                              | 0.73 (18.5) | 0.032 (0.8) | 11            | 17.9    | 1.74 (44.2)                             | 0.84 (21.3) | 0.032 (0.8) | 15            | 10.4    |
| 3.3         | 760M33554                | 2.21 (56.1)                              | 0.76 (19.3) | 0.040 (1.0) | 11            | 16.0    | 1.74 (44.2)                             | 0.88 (22.4) | 0.040 (1.0) | 15            | 9.1     |
| 3.6         | 760M36554                | 2.21 (56.1)                              | 0.79 (20.1) | 0.040 (1.0) | 11            | 14.7    | 1.74 (44.2)                             | 0.92 (23.4) | 0.040 (1.0) | 15            | 8.4     |
| 3.9         | 760M39554                | 2.21 (56.1)                              | 0.82 (20.8) | 0.040 (1.0) | 11            | 13.7    | 1.74 (44.2)                             | 0.96 (24.4) | 0.040 (1.0) | 15            | 7.9     |
| 4.7         | 760M47554                | 2.21 (56.1)                              | 0.90 (22.9) | 0.040 (1.0) | 11            | 11.6    | 1.74 (44.2)                             | 1.05 (26.7) | 0.040 (1.0) | 15            | 6.8     |
| 5.0         | 760M50554                | 2.21 (56.1)                              | 0.93 (23.6) | 0.040 (1.0) | 11            | 10.9    | 1.74 (44.2)                             | 1.08 (27.4) | 0.040 (1.0) | 15            | 6.5     |
| 5.6         | 760M56554                | 2.21 (56.1)                              | 0.98 (24.9) | 0.040 (1.0) | 11            | 9.9     | 1.74 (44.2)                             | 1.14 (29.0) | 0.040 (1.0) | 15            | 5.9     |
| 6.0         | 760M60554                | 2.21 (56.1)                              | 1.01 (25.7) | 0.040 (1.0) | 11            | 9.3     | 1.74 (44.2)                             | 1.18 (30.0) | 0.040 (1.0) | 15            | 5.6     |
| 6.8         | 760M68554                | 2.21 (56.1)                              | 1.07 (27.2) | 0.040 (1.0) | 11            | 8.4     | 1.74 (44.2)                             | 1.25 (31.8) | 0.040 (1.0) | 15            | 5.2     |
| 7.0         | 760M70554                | 2.21 (56.1)                              | 1.09 (27.7) | 0.040 (1.0) | 11            | 8.2     | 1.74 (44.2)                             | 1.27 (32.3) | 0.040 (1.0) | 15            | 5.1     |
| 7.5         | 760M75554                | 2.21 (56.1)                              | 1.13 (28.7) | 0.040 (1.0) | 11            | 7.7     | 1.74 (44.2)                             | 1.31 (33.3) | 0.040 (1.0) | 15            | 4.8     |
| 8.0         | 760M80554                | 2.21 (56.1)                              | 1.16 (29.5) | 0.040 (1.0) | 11            | 7.4     | 1.74 (44.2)                             | 1.36 (34.5) | 0.040 (1.0) | 15            | 4.6     |
| 9.0         | 760M90554                | 2.21 (56.1)                              | 1.23 (31.2) | 0.040 (1.0) | 11            | 6.7     | 1.74 (44.2)                             | 1.44 (36.6) | 0.040 (1.0) | 15            | 4.3     |
| 10.0        | 760M10654                | 2.21 (56.1)                              | 1.30 (33.0) | 0.040 (1.0) | 11            | 6.2     | 1.74 (44.2)                             | 1.51 (38.4) | 0.040 (1.0) | 15            | 4.1     |
| 12.0        | 760M12654                | 2.21 (56.1)                              | 1.36 (34.5) | 0.040 (1.0) | 11            | 5.5     |                                         |             |             |               |         |
| 15.0        | 760M15654                | 2.21 (56.1)                              | 1.58 (40.1) | 0.040 (1.0) | 11            | 4.8     |                                         |             |             |               |         |

<sup>1</sup> Please refer to Ordering/Part Number page for specific part numbering details.

\* ESR ratings listed are Maximum. Please contact us for additional ESR data.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

# Type 760M

## Metallized Polypropylene Film Capacitors

### Type 760M Sizes and Ratings – 630 VDC/250 VAC

| Cap<br>(µF) | Base Part # <sup>1</sup> | Standard Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         | Compact Dimensions/Ratings <sup>1</sup> |             |             | dV/dt *ESR-mΩ |         |
|-------------|--------------------------|------------------------------------------|-------------|-------------|---------------|---------|-----------------------------------------|-------------|-------------|---------------|---------|
|             |                          | L MAX                                    | DIA MAX     | Wire (d)    | V/µsec        | @100KHz | L MAX                                   | DIA MAX     | Wire (d)    | V/µsec        | @100KHz |
| 0.01        | 760M10356                | 0.61 (15.5)                              | 0.23 (5.8)  | 0.020 (0.5) | 50            | 85.9    |                                         |             |             |               |         |
| 0.012       | 760M12356                | 0.61 (15.5)                              | 0.24 (6.1)  | 0.020 (0.5) | 50            | 72.2    |                                         |             |             |               |         |
| 0.015       | 760M15356                | 0.61 (15.5)                              | 0.27 (6.9)  | 0.020 (0.5) | 50            | 58.6    |                                         |             |             |               |         |
| 0.018       | 760M18356                | 0.79 (20.1)                              | 0.22 (5.6)  | 0.020 (0.5) | 25            | 112.0   | 0.61 (15.5)                             | 0.29 (7.4)  | 0.020 (0.5) | 62            | 49.5    |
| 0.022       | 760M22356                | 0.79 (20.1)                              | 0.23 (5.8)  | 0.020 (0.5) | 25            | 92.3    | 0.61 (15.5)                             | 0.31 (7.9)  | 0.020 (0.5) | 80            | 41.4    |
| 0.027       | 760M27356                | 0.79 (20.1)                              | 0.25 (6.4)  | 0.020 (0.5) | 25            | 75.9    | 0.61 (15.5)                             | 0.34 (8.6)  | 0.020 (0.5) | 95            | 34.7    |
| 0.033       | 760M33356                | 0.99 (25.1)                              | 0.23 (5.8)  | 0.025 (0.6) | 16            | 122.2   | 0.79 (20.1)                             | 0.28 (7.1)  | 0.025 (0.6) | 27            | 60.4    |
| 0.039       | 760M39356                | 0.99 (25.1)                              | 0.25 (6.4)  | 0.025 (0.6) | 16            | 103.5   | 0.79 (20.1)                             | 0.30 (7.6)  | 0.025 (0.6) | 35            | 51.3    |
| 0.043       | 760M43356                | 0.99 (25.1)                              | 0.26 (6.6)  | 0.025 (0.6) | 16            | 94.0    | 0.79 (20.1)                             | 0.31 (7.9)  | 0.025 (0.6) | 39            | 46.6    |
| 0.047       | 760M47356                | 0.99 (25.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 16            | 86.1    | 0.79 (20.1)                             | 0.32 (8.1)  | 0.025 (0.6) | 42            | 42.7    |
| 0.05        | 760M50356                | 0.99 (25.1)                              | 0.27 (6.9)  | 0.025 (0.6) | 16            | 80.9    | 0.79 (20.1)                             | 0.33 (8.4)  | 0.025 (0.6) | 45            | 40.2    |
| 0.056       | 760M56356                | 0.99 (25.1)                              | 0.29 (7.4)  | 0.025 (0.6) | 20            | 72.4    | 0.79 (20.1)                             | 0.35 (8.9)  | 0.025 (0.6) | 49            | 36.0    |
| 0.062       | 760M62356                | 0.99 (25.1)                              | 0.30 (7.6)  | 0.025 (0.6) | 23            | 65.5    | 0.79 (20.1)                             | 0.36 (9.1)  | 0.025 (0.6) | 52            | 32.7    |
| 0.068       | 760M68356                | 0.99 (25.1)                              | 0.31 (7.9)  | 0.025 (0.6) | 25            | 59.8    | 0.79 (20.1)                             | 0.38 (9.7)  | 0.025 (0.6) | 54            | 29.9    |
| 0.075       | 760M75356                | 0.99 (25.1)                              | 0.32 (8.1)  | 0.025 (0.6) | 28            | 54.3    | 0.79 (20.1)                             | 0.40 (10.2) | 0.025 (0.6) | 57            | 27.2    |
| 0.082       | 760M82356                | 0.99 (25.1)                              | 0.33 (8.4)  | 0.025 (0.6) | 30            | 49.7    | 0.79 (20.1)                             | 0.41 (10.4) | 0.025 (0.6) | 59            | 25.0    |
| 0.1         | 760M10456                | 0.99 (25.1)                              | 0.37 (9.4)  | 0.025 (0.6) | 34            | 41.0    | 0.79 (20.1)                             | 0.45 (11.4) | 0.025 (0.6) | 80            | 20.8    |
| 0.12        | 760M12456                | 1.25 (31.8)                              | 0.35 (8.9)  | 0.025 (0.6) | 22            | 60.8    | 0.99 (25.1)                             | 0.40 (10.2) | 0.025 (0.8) | 37            | 34.4    |
| 0.15        | 760M15456                | 1.25 (31.8)                              | 0.38 (9.7)  | 0.025 (0.6) | 25            | 48.9    | 0.99 (25.1)                             | 0.44 (11.2) | 0.025 (0.8) | 51            | 27.8    |
| 0.18        | 760M18456                | 1.25 (31.8)                              | 0.41 (10.4) | 0.025 (0.6) | 27            | 41.0    | 0.99 (25.1)                             | 0.48 (12.2) | 0.025 (0.8) | 52            | 23.4    |
| 0.22        | 760M22456                | 1.25 (31.8)                              | 0.45 (11.4) | 0.032 (0.8) | 37            | 33.4    | 0.99 (25.1)                             | 0.53 (13.5) | 0.032 (0.8) | 52            | 19.0    |
| 0.25        | 760M25456                | 1.25 (31.8)                              | 0.48 (12.2) | 0.032 (0.8) | 37            | 29.5    | 0.99 (25.1)                             | 0.56 (14.2) | 0.032 (0.8) | 52            | 16.9    |
| 0.27        | 760M27456                | 1.25 (31.8)                              | 0.50 (12.7) | 0.032 (0.8) | 37            | 27.4    | 0.99 (25.1)                             | 0.58 (14.7) | 0.032 (0.8) | 52            | 15.7    |
| 0.30        | 760M30456                | 1.25 (31.8)                              | 0.53 (13.5) | 0.032 (0.8) | 37            | 24.8    | 0.99 (25.1)                             | 0.61 (15.5) | 0.032 (0.8) | 52            | 14.3    |
| 0.33        | 760M33456                | 1.25 (31.8)                              | 0.55 (14.0) | 0.032 (0.8) | 37            | 22.6    | 0.99 (25.1)                             | 0.64 (16.3) | 0.032 (0.8) | 53            | 13.1    |
| 0.39        | 760M39456                | 1.74 (44.2)                              | 0.48 (12.2) | 0.032 (0.8) | 23            | 45.8    | 1.25 (31.8)                             | 0.59 (15.0) | 0.032 (0.8) | 38            | 19.3    |
| 0.43        | 760M43456                | 1.74 (44.2)                              | 0.50 (12.7) | 0.032 (0.8) | 23            | 41.7    | 1.25 (31.8)                             | 0.62 (15.7) | 0.032 (0.8) | 38            | 17.7    |
| 0.47        | 760M47456                | 1.74 (44.2)                              | 0.52 (13.2) | 0.032 (0.8) | 23            | 38.2    | 1.25 (31.8)                             | 0.65 (16.5) | 0.032 (0.8) | 38            | 16.3    |
| 0.5         | 760M50456                | 1.74 (44.2)                              | 0.54 (13.7) | 0.032 (0.8) | 23            | 36.0    | 1.25 (31.8)                             | 0.67 (17.0) | 0.032 (0.8) | 38            | 15.4    |
| 0.56        | 760M56456                | 1.74 (44.2)                              | 0.57 (14.5) | 0.032 (0.8) | 23            | 32.3    | 1.25 (31.8)                             | 0.71 (18.0) | 0.032 (0.8) | 38            | 13.9    |
| 0.6         | 760M60456                | 1.74 (44.2)                              | 0.59 (15.0) | 0.032 (0.8) | 23            | 30.2    | 1.25 (31.8)                             | 0.73 (18.5) | 0.032 (0.8) | 38            | 13.1    |
| 0.62        | 760M62456                | 1.74 (44.2)                              | 0.60 (15.2) | 0.032 (0.8) | 23            | 29.2    | 1.25 (31.8)                             | 0.74 (18.8) | 0.032 (0.8) | 38            | 12.7    |
| 0.68        | 760M68456                | 1.74 (44.2)                              | 0.62 (15.7) | 0.032 (0.8) | 23            | 26.8    | 1.25 (31.8)                             | 0.78 (19.8) | 0.032 (0.8) | 38            | 11.7    |
| 0.75        | 760M75456                | 1.74 (44.2)                              | 0.65 (16.5) | 0.032 (0.8) | 23            | 24.4    | 1.25 (31.8)                             | 0.81 (20.6) | 0.032 (0.8) | 38            | 10.8    |
| 0.82        | 760M82456                | 2.21 (56.1)                              | 0.58 (14.7) | 0.032 (0.8) | 17            | 40.7    | 1.74 (44.2)                             | 0.68 (17.3) | 0.032 (0.8) | 23            | 22.4    |
| 0.9         | 760M90456                | 2.21 (56.1)                              | 0.61 (15.5) | 0.032 (0.8) | 17            | 37.2    | 1.74 (44.2)                             | 0.71 (18.0) | 0.032 (0.8) | 23            | 20.6    |
| 1.0         | 760M10556                | 2.21 (56.1)                              | 0.64 (16.3) | 0.032 (0.8) | 17            | 33.6    | 1.74 (44.2)                             | 0.75 (19.1) | 0.032 (0.8) | 23            | 18.7    |
| 1.2         | 760M12556                | 2.21 (56.1)                              | 0.70 (17.8) | 0.032 (0.8) | 17            | 28.3    | 1.74 (44.2)                             | 0.81 (20.6) | 0.032 (0.8) | 24            | 15.8    |
| 1.5         | 760M15556                | 2.21 (56.1)                              | 0.78 (19.8) | 0.040 (1.0) | 17            | 22.5    | 1.74 (44.2)                             | 0.91 (23.1) | 0.040 (1.0) | 24            | 12.5    |
| 1.8         | 760M18556                | 2.21 (56.1)                              | 0.85 (21.6) | 0.040 (1.0) | 17            | 18.9    | 1.74 (44.2)                             | 0.99 (25.1) | 0.040 (1.0) | 24            | 10.7    |
| 2.0         | 760M20556                | 2.21 (56.1)                              | 0.89 (22.6) | 0.040 (1.0) | 17            | 17.2    | 1.74 (44.2)                             | 1.04 (26.4) | 0.040 (1.0) | 24            | 9.7     |
| 2.2         | 760M22556                | 2.21 (56.1)                              | 0.93 (23.6) | 0.040 (1.0) | 17            | 15.7    | 1.74 (44.2)                             | 1.09 (27.7) | 0.040 (1.0) | 24            | 9.0     |
| 2.5         | 760M25556                | 2.21 (56.1)                              | 0.99 (25.1) | 0.040 (1.0) | 17            | 14.0    | 1.74 (44.2)                             | 1.16 (29.5) | 0.040 (1.0) | 24            | 8.1     |
| 2.7         | 760M27556                | 2.21 (56.1)                              | 1.03 (26.2) | 0.040 (1.0) | 17            | 13.0    | 1.74 (44.2)                             | 1.20 (30.5) | 0.040 (1.0) | 24            | 7.6     |
| 3.0         | 760M30556                | 2.21 (56.1)                              | 1.08 (27.4) | 0.040 (1.0) | 17            | 11.9    | 1.74 (44.2)                             | 1.27 (32.3) | 0.040 (1.0) | 24            | 7.0     |
| 3.3         | 760M33556                | 2.21 (56.1)                              | 1.13 (28.7) | 0.040 (1.0) | 17            | 10.9    | 1.74 (44.2)                             | 1.33 (33.8) | 0.040 (1.0) | 24            | 6.5     |
| 3.6         | 760M36556                | 2.21 (56.1)                              | 1.18 (30.0) | 0.040 (1.0) | 17            | 10.1    | 1.74 (44.2)                             | 1.39 (35.3) | 0.040 (1.0) | 24            | 6.1     |
| 3.9         | 760M39556                | 2.21 (56.1)                              | 1.23 (31.2) | 0.040 (1.0) | 17            | 9.5     | 1.74 (44.2)                             | 1.44 (36.6) | 0.040 (1.0) | 24            | 5.8     |
| 4.7         | 760M47556                | 2.21 (56.1)                              | 1.35 (34.3) | 0.040 (1.0) | 17            | 8.2     | 1.74 (44.2)                             | 1.58 (40.1) | 0.040 (1.0) | 24            | 5.2     |
| 5.0         | 760M50556                | 2.21 (56.1)                              | 1.39 (35.3) | 0.040 (1.0) | 17            | 7.8     | 1.74 (44.2)                             | 1.63 (41.4) | 0.040 (1.0) | 24            | 5.0     |
| 5.6         | 760M56556                | 2.21 (56.1)                              | 1.47 (37.3) | 0.040 (1.0) | 17            | 7.2     |                                         |             |             |               |         |
| 6.0         | 760M60556                | 2.21 (56.1)                              | 1.52 (38.6) | 0.040 (1.0) | 17            | 6.8     |                                         |             |             |               |         |
| 6.8         | 760M68556                | 2.21 (56.1)                              | 1.62 (41.1) | 0.040 (1.0) | 17            | 6.3     |                                         |             |             |               |         |
| 7.0         | 760M70556                | 2.21 (56.1)                              | 1.64 (41.7) | 0.040 (1.0) | 17            | 6.1     |                                         |             |             |               |         |

<sup>1</sup> Please refer to Ordering/Part Number page for specific part numbering details.

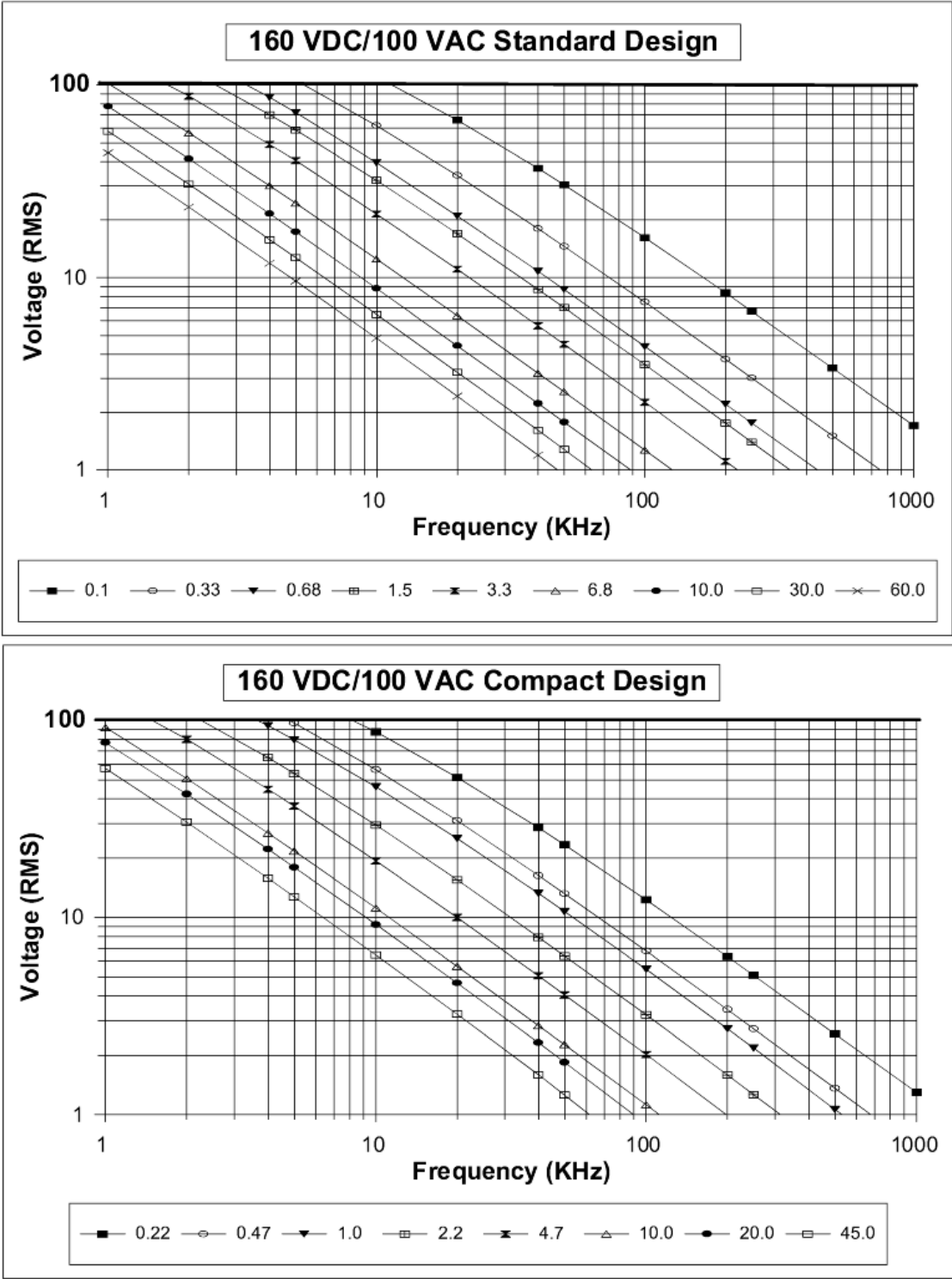
\* ESR ratings listed are Maximum. Please contact us for additional ESR data.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

Type 760M

Metallized Polypropylene Film Capacitors

RMS Voltage vs. Frequency @ +85°C, in still air\*



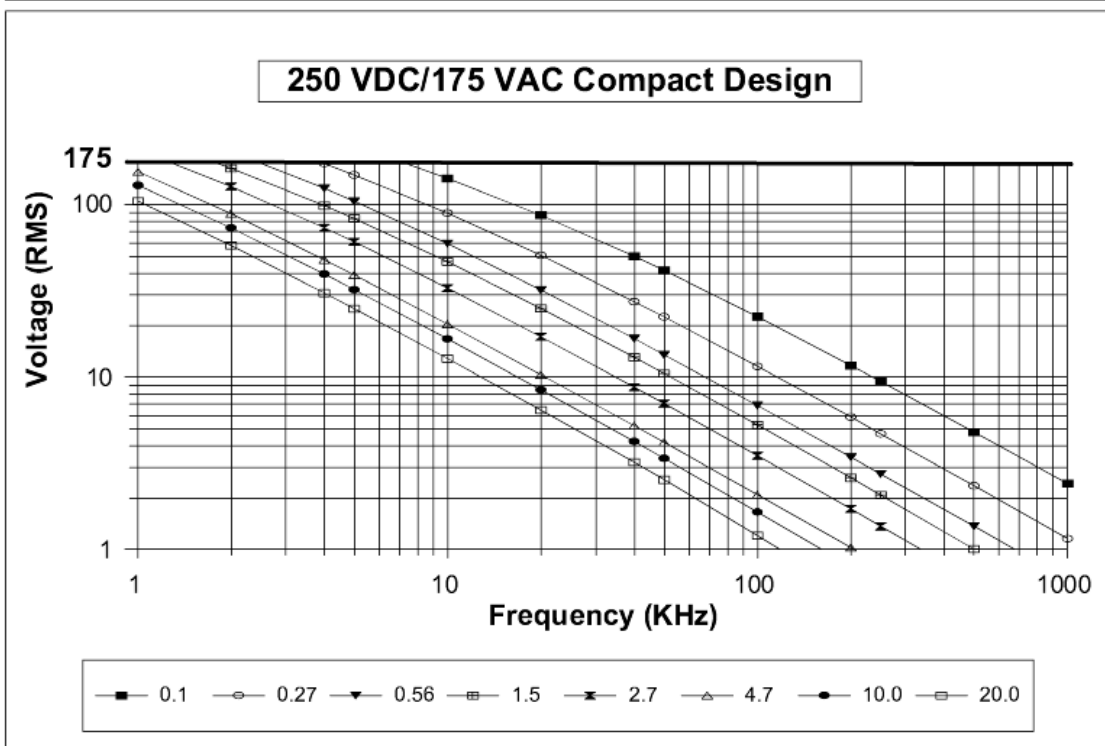
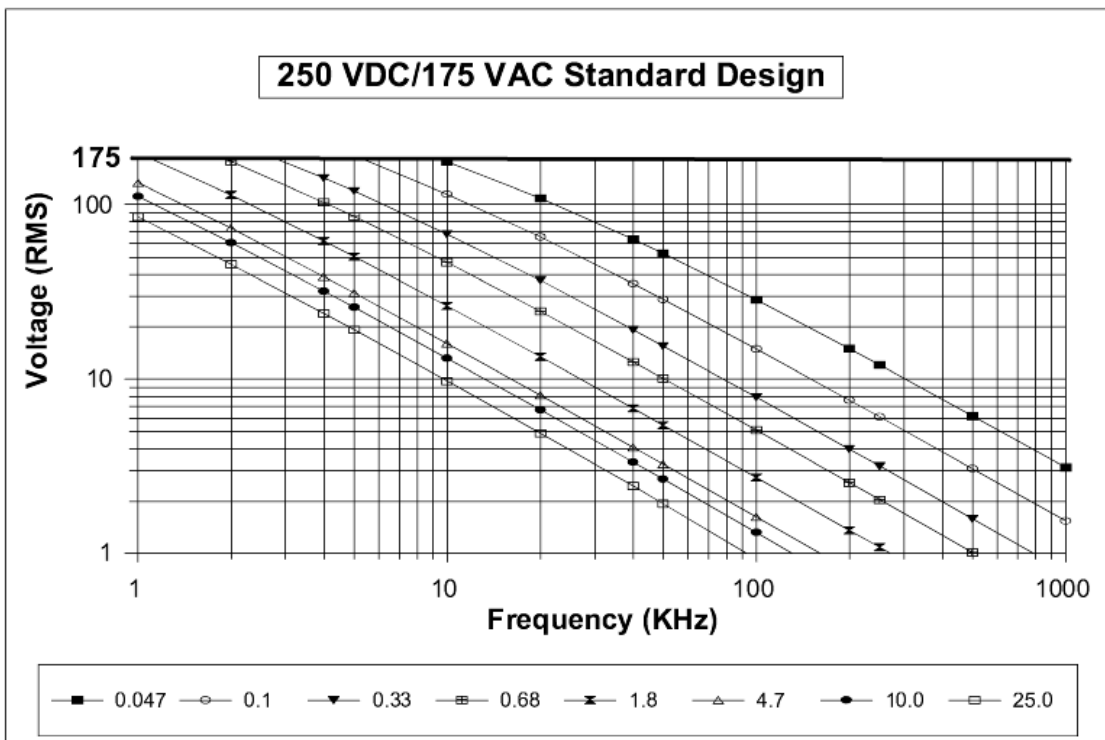
\* For additional information regarding these performance curves and their interpretation please refer to our Thermal Management application note.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

# Type 760M

## Metallized Polypropylene Film Capacitors

RMS Voltage vs. Frequency @ +85°C, in still air\*



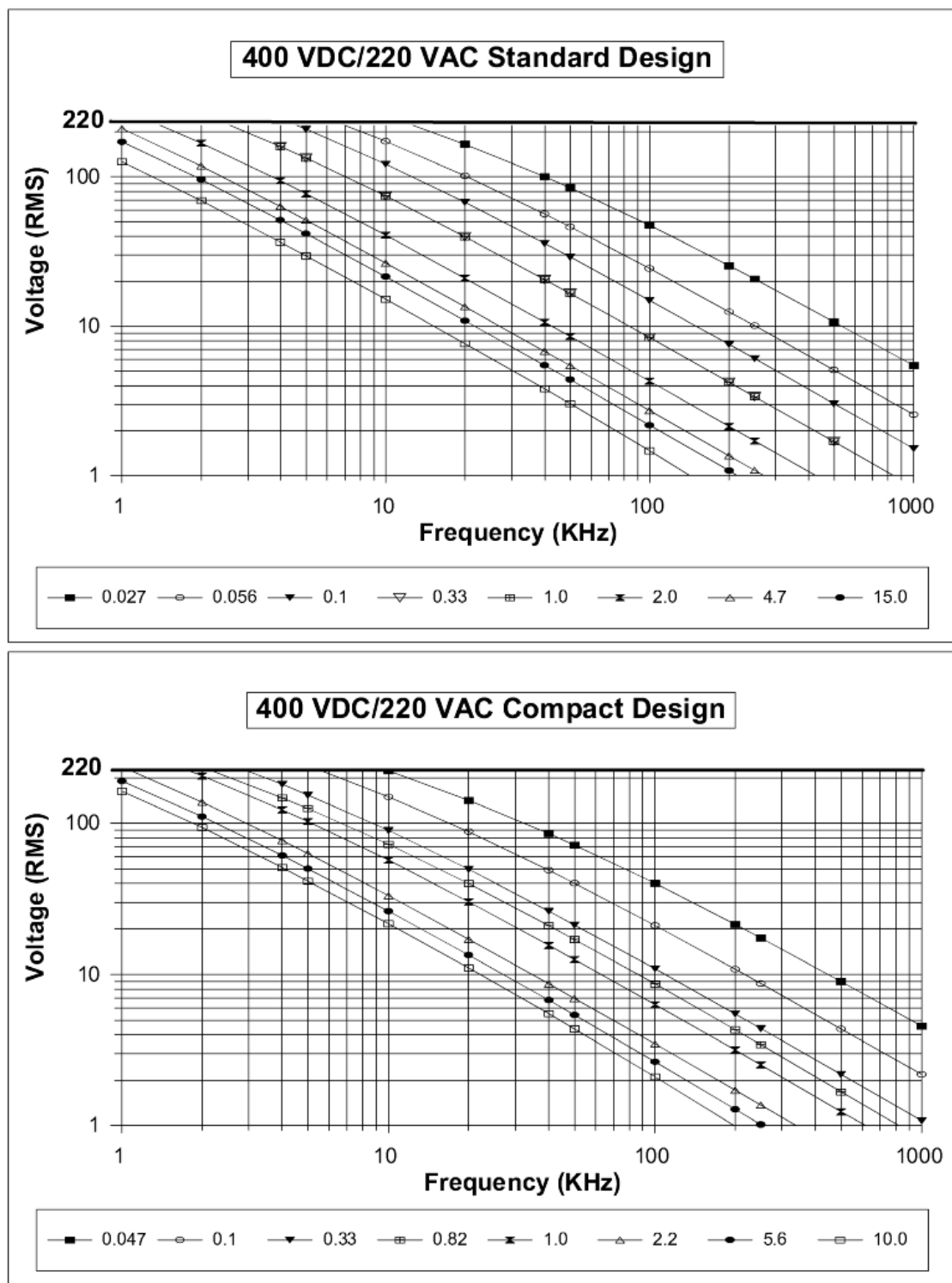
\* For additional information regarding these performance curves and their interpretation please refer to our Thermal Management application note.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

# Type 760M

## Metallized Polypropylene Film Capacitors

RMS Voltage vs. Frequency @ +85°C, in still air\*



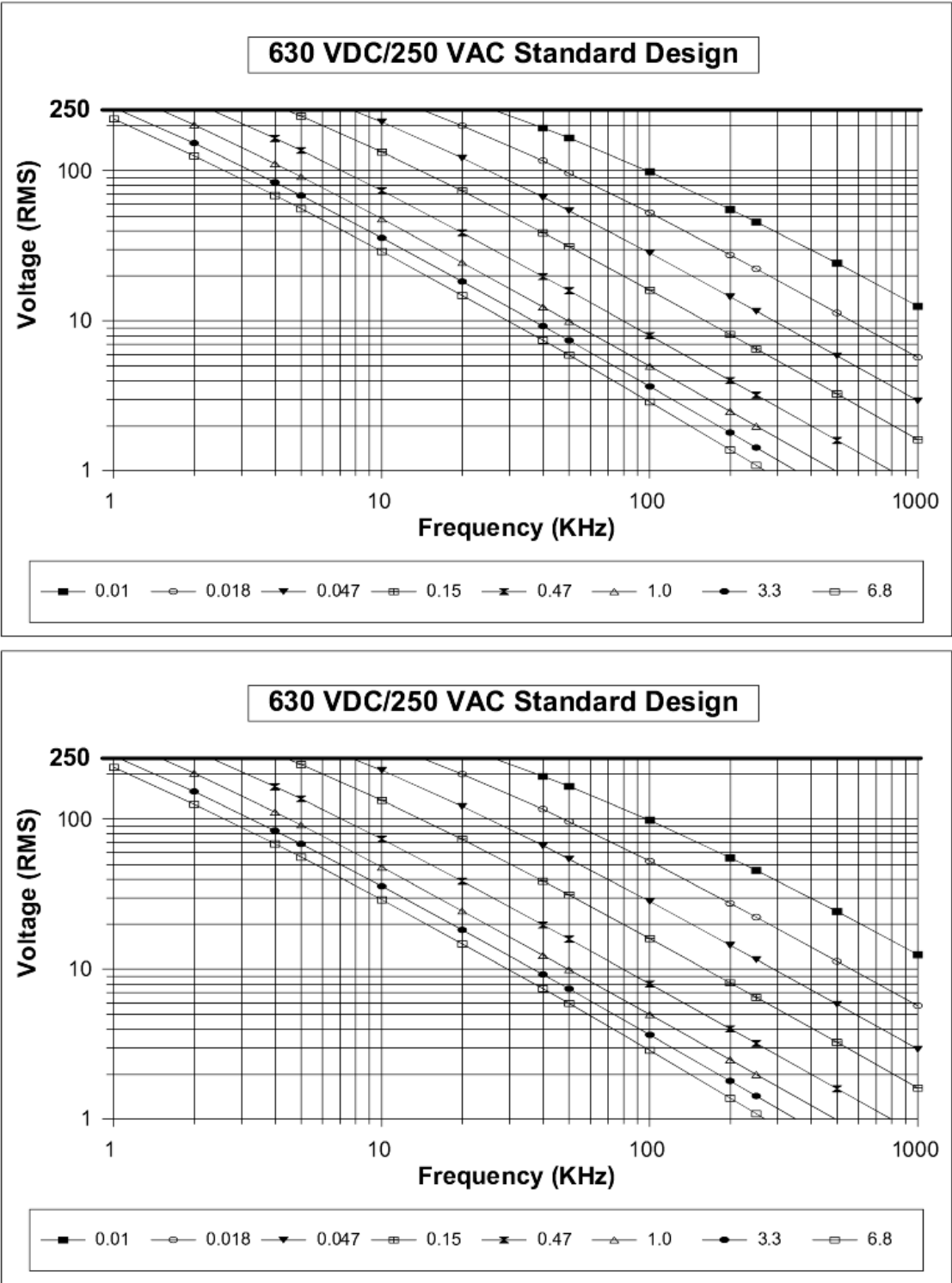
\* For additional information regarding these performance curves and their interpretation please refer to our Thermal Management application note.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

Type 760M

Metallized Polypropylene Film Capacitors

RMS Voltage vs. Frequency @ +85°C, in still air\*



\* For additional information regarding these performance curves and their interpretation please refer to our Thermal Managemant application note.

Dimensions are in inches, millimeters in parentheses  
CDE reserves the right to amend design data

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