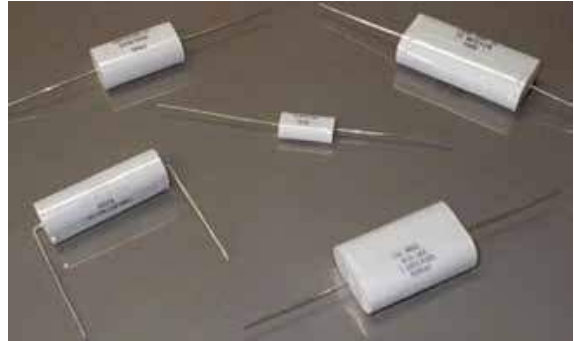


# Type 461M

## Metallized Polyester Film Capacitors

### Type 461M Axial Lead Pressed/Oval Profile Metallized Polyester Film Capacitors



## Specifications

Capacitance Range	0.027 to 100.0 $\mu$ F
Capacitance Tolerance	+5% and +10%, standard (other tolerances available)
Rated Voltage	63 to 400 VDC 40 to 200 VAC
Operating Temperature Range	Units may be operated at full-rated voltage from -55 °C to +85 °C
Voltage De-rating above +85 °C	Units may be operated up to a maximum of 125°C provided the voltage is de-rated linearly to 50% of rated voltage of +125°C
Dissipation Factor	1.0% maximum @ 1 KHz, +25°C
Insulation Resistance	At +25 °C: 10,000 M $\Omega$ for C < 1.0 $\mu$ F 10,000 M $\Omega$ - $\mu$ F for C > 1.0 $\mu$ F At +85°C: 1,000 M $\Omega$ for C < 1.0 $\mu$ F 1,000 M $\Omega$ - $\mu$ F for C > 1.0 $\mu$ F
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) 0.025 (0.6) diameter (#22 AWG) 0.032 (0.8) diameter (#20 AWG) Tinned copper for wire sizes: 0.040 (1.0) diameter (#18 AWG)
Dielectric/Construction	Metallized polyester film, single section design. Non-inductively wound  <i>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.</i>  <b>Dimensions are in inches, millimeters are in parenthesis.</b>
<a href="#">Regulatory Information</a>	

# Type 461M

## Metallized Polyester Film Capacitors

### General Specifications

The 461M series is designed and manufactured for use in many demanding applications. They are non-inductively wound using the most reliable metallized polyester film available today. 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 461M series may be operated up to a maximum temperature of  $+125^{\circ}\text{C}$ , however the voltage must be linearly de-rated to 50% of the full rated voltage at  $+125^{\circ}\text{C}$ .

#### Dielectric Withstanding Voltage:

Units shall withstand a DC potential of 150% 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  $5,000 \text{ M}\Omega\text{-}\mu\text{F}$ , but need not exceed  $5,000 \text{ M}\Omega$ .

#### DC Voltage Life Test:

500 hours at  $+85^{\circ}\text{C}$  at 125% of rated voltage. After test; capacitance shall not have changed by more than  $\pm 10\%$  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 1.25%. In addition, there shall be no open or short circuits, and no sign of visible damage.

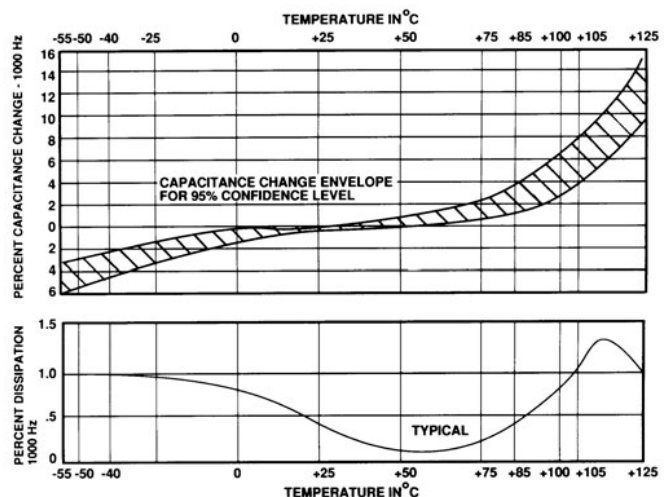
#### Dielectric Material/Construction:

The 461M series is manufactured using metallized polyester film as the dielectric. The capacitor element is non-inductively wound in a single section design.

Metallized polyester film utilizes a base film of polyester 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.

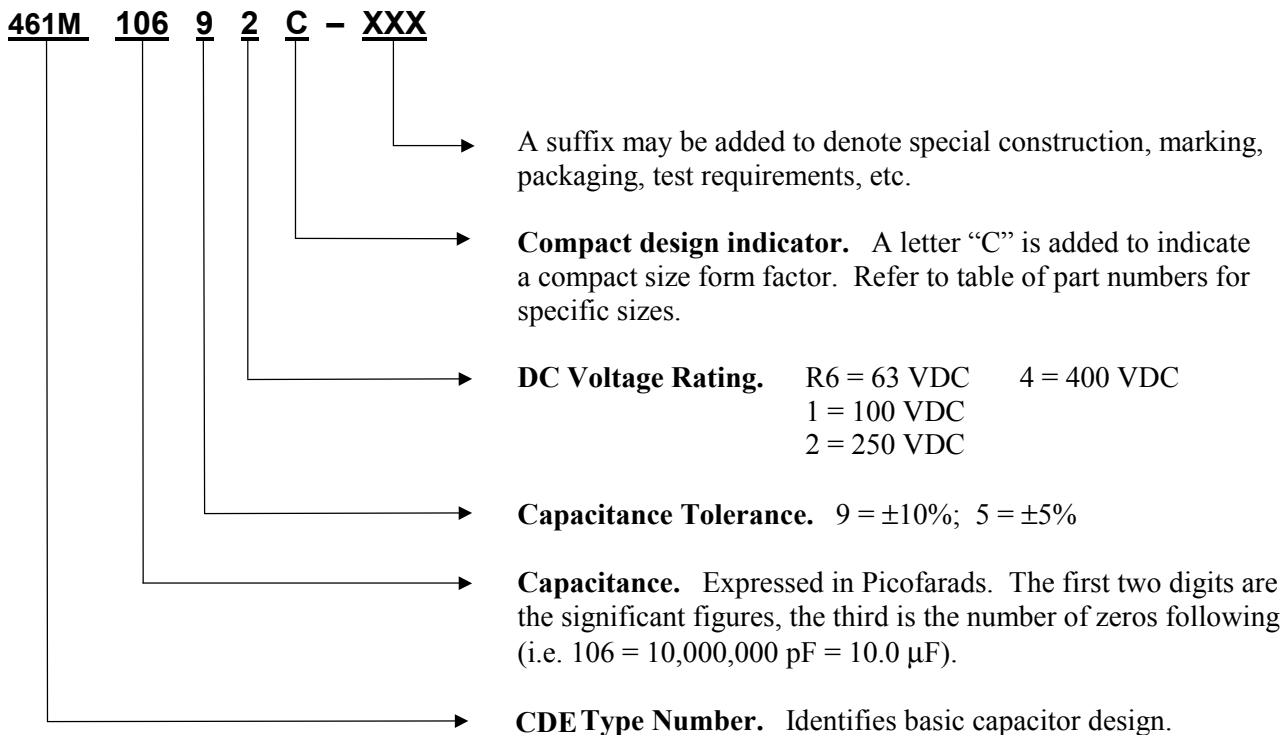
#### Typical Temperature Characteristics:



# Type 461M

## Metallized Polyester Film Capacitors

### Ordering/Part Number Information



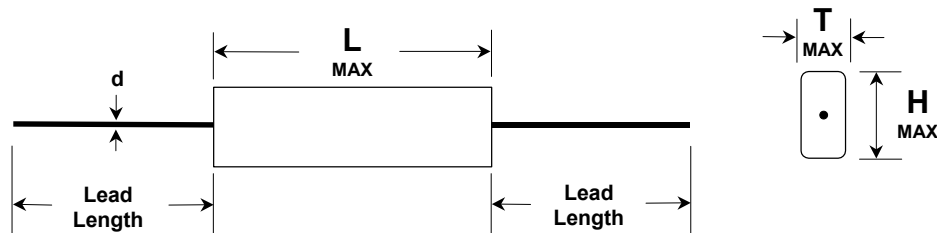
### Standard Marking Format

Sample Marking on unit	Description	Tolerance codes per EIA standards
CDE 461M(C)	CDE - CDE Identification	
106K 250V	461M - Type Number. 460MC indicates compact design.	J    ±5%
0824	250V - DC Voltage Rating	K    ±10%
	106K - Capacitance and Tolerance Code	
	0824 - Weekly Date Code (i.e. 24th week of 2008)	

# Type 461M

## Metallized Polyester Film Capacitors

### Dimension Outline



### 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)
1.50 (38.1)	1.50 (38.1)
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 used 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, tinned copper in smaller gauges, etc.). If the wire size or material listed on our standard items doesn't meet your requirements please contact us. We can accommodate your needs. We can also provide lug/tab terminations upon request. Please contact us with your specific requirements.

# Type 461M

## Metallized Polyester Film Capacitors

### Type 461M Sizes and Ratings - 63 VDC

Cap ( $\mu$ F)	Base Part #	Standard Dimensions/Ratings <sup>1</sup>				dV/dt V/ $\mu$ sec	Compact Dimensions/Ratings <sup>1</sup>				dV/dt V/ $\mu$ sec	
		L MAX	T MAX	H MAX	Wire (d)		L MAX	T MAX	H MAX	Wire (d)		
0.22	461M2249R6	0.61 (15.5)	0.14 (3.6)	0.24 (6.1)	0.020 (0.5)	14						
0.25	461M2549R6	0.61 (15.5)	0.15 (3.8)	0.25 (6.4)	0.020 (0.5)	14						
0.27	461M2749R6	0.61 (15.5)	0.16 (4.1)	0.26 (6.6)	0.020 (0.5)	14						
0.33	461M3349R6	0.61 (15.5)	0.18 (4.6)	0.27 (6.9)	0.020 (0.5)	14						
0.39	461M3949R6	0.79 (20.1)	0.14 (3.6)	0.24 (6.1)	0.020 (0.5)	8	0.61 (15.5)	0.19 (4.8)	0.29 (7.4)	0.020 (0.5)	14	
0.43	461M4349R6	0.79 (20.1)	0.15 (3.8)	0.25 (6.4)	0.020 (0.5)	8	0.61 (15.5)	0.20 (5.1)	0.30 (7.6)	0.020 (0.5)	14	
0.47	461M4749R6	0.79 (20.1)	0.16 (4.1)	0.26 (6.6)	0.020 (0.5)	8	0.61 (15.5)	0.21 (5.3)	0.31 (7.9)	0.020 (0.5)	16	
0.5	461M5049R6	0.79 (20.1)	0.17 (4.3)	0.26 (6.6)	0.020 (0.5)	8	0.61 (15.5)	0.22 (5.6)	0.32 (8.1)	0.020 (0.5)	19	
0.56	461M5649R6	0.79 (20.1)	0.18 (4.6)	0.27 (6.9)	0.020 (0.5)	8	0.61 (15.5)	0.24 (6.1)	0.33 (8.4)	0.020 (0.5)	22	
0.6	461M6049R6	0.79 (20.1)	0.18 (4.6)	0.28 (7.1)	0.020 (0.5)	8	0.61 (15.5)	0.24 (6.1)	0.34 (8.6)	0.020 (0.5)	23	
0.68	461M6849R6	0.79 (20.1)	0.20 (5.1)	0.29 (7.4)	0.020 (0.5)	8	0.61 (15.5)	0.26 (6.6)	0.36 (9.1)	0.020 (0.5)	26	
0.75	461M7549R6	0.79 (20.1)	0.21 (5.3)	0.30 (7.6)	0.020 (0.5)	8	0.61 (15.5)	0.28 (7.1)	0.37 (9.4)	0.020 (0.5)	28	
0.82	461M8249R6	0.99 (25.1)	0.18 (4.6)	0.28 (7.1)	0.020 (0.5)	6	0.79 (20.1)	0.21 (5.3)	0.33 (8.4)	0.020 (0.5)	10	
0.9	461M9049R6	0.99 (25.1)	0.19 (4.8)	0.28 (7.1)	0.020 (0.5)	6	0.79 (20.1)	0.22 (5.6)	0.34 (8.6)	0.020 (0.5)	12	
1.0	461M1059R6	0.99 (25.1)	0.19 (4.8)	0.31 (7.9)	0.020 (0.5)	6	0.79 (20.1)	0.23 (5.8)	0.35 (8.9)	0.020 (0.5)	13	
1.2	461M1259R6	0.99 (25.1)	0.21 (5.3)	0.33 (8.4)	0.020 (0.5)	7	0.79 (20.1)	0.24 (6.1)	0.39 (9.9)	0.025 (0.6)	15	
1.5	461M1559R6	0.99 (25.1)	0.22 (5.6)	0.37 (9.4)	0.020 (0.5)	9	0.79 (20.1)	0.27 (6.9)	0.43 (10.9)	0.025 (0.6)	26	
1.8	461M1859R6	0.99 (25.1)	0.24 (6.1)	0.40 (10.2)	0.020 (0.5)	11	0.79 (20.1)	0.30 (7.6)	0.46 (11.7)	0.025 (0.6)	26	
2.0	461M2059R6	0.99 (25.1)	0.25 (6.4)	0.43 (10.9)	0.020 (0.5)	17	0.79 (20.1)	0.31 (7.9)	0.49 (12.4)	0.025 (0.6)	26	
2.2	461M2259R6	0.99 (25.1)	0.26 (6.6)	0.45 (11.4)	0.025 (0.6)	18	0.79 (20.1)	0.33 (8.4)	0.51 (13.0)	0.025 (0.6)	26	
2.5	461M2559R6	1.25 (31.8)	0.26 (6.6)	0.39 (9.9)	0.025 (0.6)	8	0.99 (25.1)	0.28 (7.1)	0.47 (11.9)	0.025 (0.6)	18	
2.7	461M2759R6	1.25 (31.8)	0.26 (6.6)	0.41 (10.4)	0.025 (0.6)	9	0.99 (25.1)	0.29 (7.4)	0.48 (12.2)	0.025 (0.6)	18	
3.0	461M3059R6	1.25 (31.8)	0.26 (6.6)	0.45 (11.4)	0.025 (0.6)	13	0.99 (25.1)	0.31 (7.9)	0.50 (12.7)	0.025 (0.6)	18	
3.3	461M3359R6	1.25 (31.8)	0.28 (7.1)	0.46 (11.7)	0.025 (0.6)	13	0.99 (25.1)	0.33 (8.4)	0.52 (13.2)	0.025 (0.6)	18	
3.6	461M3659R6	1.25 (31.8)	0.29 (7.4)	0.48 (12.2)	0.025 (0.6)	13	0.99 (25.1)	0.35 (8.9)	0.53 (13.5)	0.032 (0.8)	18	
3.9	461M3959R6	1.25 (31.8)	0.31 (7.9)	0.49 (12.4)	0.025 (0.6)	13	0.99 (25.1)	0.36 (9.1)	0.55 (14.0)	0.032 (0.8)	18	
4.7	461M4759R6	1.25 (31.8)	0.34 (8.6)	0.53 (13.5)	0.025 (0.6)	13	0.99 (25.1)	0.38 (9.7)	0.62 (15.7)	0.032 (0.8)	18	
5.0	461M5059R6	1.25 (31.8)	0.35 (8.9)	0.55 (14.0)	0.032 (0.8)	13	0.99 (25.1)	0.39 (9.9)	0.64 (16.3)	0.032 (0.8)	18	
5.6	461M5659R6	1.25 (31.8)	0.38 (9.7)	0.56 (14.2)	0.032 (0.8)	14	0.99 (25.1)	0.42 (10.7)	0.67 (17.0)	0.032 (0.8)	18	
6.0	461M6059R6	1.25 (31.8)	0.39 (9.9)	0.58 (14.7)	0.032 (0.8)	14	0.99 (25.1)	0.44 (11.2)	0.68 (17.3)	0.032 (0.8)	18	
6.8	461M6859R6	1.50 (38.1)	0.37 (9.4)	0.55 (14.0)	0.032 (0.8)	11	1.25 (31.8)	0.39 (9.9)	0.64 (16.3)	0.032 (0.8)	14	
7.0	461M7059R6	1.50 (38.1)	0.37 (9.4)	0.56 (14.2)	0.032 (0.8)	11	1.25 (31.8)	0.40 (10.2)	0.65 (16.5)	0.032 (0.8)	14	
7.5	461M7559R6	1.50 (38.1)	0.36 (9.1)	0.61 (15.5)	0.032 (0.8)	11	1.25 (31.8)	0.42 (10.7)	0.67 (17.0)	0.032 (0.8)	14	
8.0	461M8059R6	1.50 (38.1)	0.37 (9.4)	0.62 (15.7)	0.032 (0.8)	11	1.25 (31.8)	0.43 (10.9)	0.68 (17.3)	0.032 (0.8)	14	
9.0	461M9059R6	1.50 (38.1)	0.40 (10.2)	0.65 (16.5)	0.032 (0.8)	11	1.25 (31.8)	0.47 (11.9)	0.71 (18.0)	0.032 (0.8)	14	
10.0	461M1069R6	1.50 (38.1)	0.43 (10.9)	0.68 (17.3)	0.032 (0.8)	11	1.25 (31.8)	0.50 (12.7)	0.74 (18.8)	0.032 (0.8)	14	
12.0	461M1269R6	1.74 (44.2)	0.42 (10.7)	0.67 (17.0)	0.032 (0.8)	9	1.50 (38.1)	0.48 (12.2)	0.73 (18.5)	0.032 (0.8)	11	
15.0	461M1569R6	1.74 (44.2)	0.43 (10.9)	0.80 (20.3)	0.032 (0.8)	9	1.50 (38.1)	0.52 (13.2)	0.83 (21.1)	0.032 (0.8)	11	
18.0	461M1869R6	1.74 (44.2)	0.48 (12.2)	0.85 (21.6)	0.032 (0.8)	9	1.50 (38.1)	0.58 (14.7)	0.89 (22.6)	0.032 (0.8)	11	
20.0	461M2069R6	1.74 (44.2)	0.52 (13.2)	0.89 (22.6)	0.032 (0.8)	9	1.50 (38.1)	0.62 (15.7)	0.92 (23.4)	0.032 (0.8)	11	
25.0	461M2569R6	1.74 (44.2)	0.59 (15.0)	0.96 (24.4)	0.032 (0.8)	9	1.50 (38.1)	0.67 (17.0)	1.04 (26.4)	0.040 (1.0)	11	
30.0	461M3069R6	1.74 (44.2)	0.66 (16.8)	1.03 (26.2)	0.040 (1.0)	9	1.50 (38.1)	0.75 (19.1)	1.12 (28.4)	0.040 (1.0)	11	
35.0	461M3569R6	1.74 (44.2)	0.73 (18.5)	1.10 (27.9)	0.040 (1.0)	9	1.50 (38.1)	0.82 (20.8)	1.19 (30.2)	0.040 (1.0)	11	
40.0	461M4069R6	1.74 (44.2)	0.79 (20.1)	1.16 (29.5)	0.040 (1.0)	9	1.50 (38.1)	0.89 (22.6)	1.26 (32.0)	0.040 (1.0)	11	
45.0	461M4569R6	1.74 (44.2)	0.85 (21.6)	1.22 (31.0)	0.040 (1.0)	9	1.50 (38.1)	0.95 (24.1)	1.32 (33.5)	0.040 (1.0)	11	
50.0	461M5069R6	1.74 (44.2)	0.90 (22.9)	1.27 (32.3)	0.040 (1.0)	9	1.50 (38.1)	1.01 (25.7)	1.38 (35.1)	0.040 (1.0)	11	
55.0	461M5569R6	1.74 (44.2)	0.95 (24.1)	1.32 (33.5)	0.040 (1.0)	9	1.50 (38.1)	1.07 (27.2)	1.44 (36.6)	0.040 (1.0)	11	
60.0	461M6069R6	1.74 (44.2)	1.00 (25.4)	1.37 (34.8)	0.040 (1.0)	9	1.50 (38.1)	1.13 (28.7)	1.50 (38.1)	0.040 (1.0)	11	
65.0	461M6569R6	1.74 (44.2)	1.05 (26.7)	1.42 (36.1)	0.040 (1.0)	9	1.50 (38.1)	1.18 (30.0)	1.55 (39.4)	0.040 (1.0)	11	
70.0	461M7069R6	1.74 (44.2)	1.10 (27.9)	1.47 (37.3)	0.040 (1.0)	9	1.50 (38.1)	1.23 (31.2)	1.60 (40.6)	0.040 (1.0)	11	
75.0	461M7569R6	1.74 (44.2)	1.14 (29.0)	1.51 (38.4)	0.040 (1.0)	9	1.50 (38.1)	1.28 (32.5)	1.65 (41.9)	0.040 (1.0)	11	
80.0	461M8069R6	1.74 (44.2)	1.18 (30.0)	1.55 (39.4)	0.040 (1.0)	9	1.50 (38.1)	1.33 (33.8)	1.70 (43.2)	0.040 (1.0)	11	
85.0	461M8569R6	1.74 (44.2)	1.23 (31.2)	1.60 (40.6)	0.040 (1.0)	9	1.50 (38.1)	1.37 (34.8)	1.74 (44.2)	0.040 (1.0)	11	
90.0	461M9069R6	1.74 (44.2)	1.27 (32.3)	1.64 (41.7)	0.040 (1.0)	9						
95.0	461M9569R6	1.74 (44.2)	1.31 (33.3)	1.68 (42.7)	0.040 (1.0)	9						
100.0	461M1079R6	1.74 (44.2)	1.34 (34.0)	1.72 (43.7)	0.040 (1.0)	9						

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

# Type 461M

## Metallized Polyester Film Capacitors

### Type 461M Sizes and Ratings - 100 VDC

Cap (µF)	Base Part #	Standard Dimensions/Ratings <sup>1</sup>				dV/dt V/µsec	Compact Dimensions/Ratings <sup>1</sup>				dV/dt V/µsec	
		L MAX	T MAX	H MAX	Wire (d)		L MAX	T MAX	H MAX	Wire (d)		
0.22	461M22491	0.61 (15.5)	0.16 (4.1)	0.26 (6.6)	0.020 (0.5)	16						
0.25	461M25491	0.61 (15.5)	0.18 (4.6)	0.27 (6.9)	0.020 (0.5)	16						
0.27	461M27491	0.61 (15.5)	0.18 (4.6)	0.28 (7.1)	0.020 (0.5)	16						
0.33	461M33491	0.79 (20.1)	0.15 (3.8)	0.25 (6.4)	0.020 (0.5)	9	0.61 (15.5)	0.20 (5.1)	0.30 (7.6)	0.020 (0.5)	16	
0.39	461M39491	0.79 (20.1)	0.17 (4.3)	0.27 (6.9)	0.020 (0.5)	9	0.61 (15.5)	0.22 (5.6)	0.32 (8.1)	0.020 (0.5)	21	
0.43	461M43491	0.79 (20.1)	0.18 (4.6)	0.28 (7.1)	0.020 (0.5)	9	0.61 (15.5)	0.24 (6.1)	0.34 (8.6)	0.020 (0.5)	24	
0.47	461M47491	0.79 (20.1)	0.19 (4.8)	0.29 (7.4)	0.020 (0.5)	9	0.61 (15.5)	0.25 (6.4)	0.35 (8.9)	0.020 (0.5)	27	
0.5	461M50491	0.79 (20.1)	0.19 (4.8)	0.29 (7.4)	0.020 (0.5)	9	0.61 (15.5)	0.26 (6.6)	0.35 (8.9)	0.020 (0.5)	28	
0.56	461M56491	0.79 (20.1)	0.20 (5.1)	0.30 (7.6)	0.020 (0.5)	9	0.61 (15.5)	0.27 (6.9)	0.37 (9.4)	0.020 (0.5)	31	
0.6	461M60491	0.79 (20.1)	0.20 (5.1)	0.32 (8.1)	0.020 (0.5)	10	0.61 (15.5)	0.28 (7.1)	0.38 (9.7)	0.020 (0.5)	32	
0.68	461M68491	0.79 (20.1)	0.22 (5.6)	0.34 (8.6)	0.020 (0.5)	13	0.61 (15.5)	0.29 (7.4)	0.41 (10.4)	0.020 (0.5)	34	
0.75	461M75491	0.99 (25.1)	0.18 (4.6)	0.31 (7.9)	0.020 (0.5)	6	0.79 (20.1)	0.23 (5.8)	0.35 (8.9)	0.020 (0.5)	15	
0.82	461M82491	0.99 (25.1)	0.19 (4.8)	0.32 (8.1)	0.020 (0.5)	6	0.79 (20.1)	0.24 (6.1)	0.36 (9.1)	0.020 (0.5)	16	
0.9	461M90491	0.99 (25.1)	0.20 (5.1)	0.33 (8.4)	0.020 (0.5)	8	0.79 (20.1)	0.25 (6.4)	0.38 (9.7)	0.020 (0.5)	17	
1.0	461M10591	0.99 (25.1)	0.22 (5.6)	0.34 (8.6)	0.020 (0.5)	9	0.79 (20.1)	0.25 (6.4)	0.41 (10.4)	0.020 (0.5)	18	
1.2	461M12591	0.99 (25.1)	0.24 (6.1)	0.36 (9.1)	0.020 (0.5)	11	0.79 (20.1)	0.28 (7.1)	0.44 (11.2)	0.025 (0.6)	29	
1.5	461M15591	0.99 (25.1)	0.26 (6.6)	0.41 (10.4)	0.025 (0.6)	13	0.79 (20.1)	0.32 (8.1)	0.47 (11.9)	0.025 (0.6)	29	
1.8	461M18591	0.99 (25.1)	0.29 (7.4)	0.44 (11.2)	0.025 (0.6)	20	0.79 (25.1)	0.34 (8.6)	0.52 (13.2)	0.025 (0.6)	30	
2.0	461M20591	1.25 (31.8)	0.26 (6.6)	0.41 (10.4)	0.025 (0.6)	15	0.99 (25.1)	0.29 (7.4)	0.47 (11.9)	0.025 (0.6)	20	
2.2	461M22591	1.25 (31.8)	0.26 (6.6)	0.44 (11.2)	0.025 (0.6)	15	0.99 (25.1)	0.31 (7.9)	0.49 (12.4)	0.025 (0.6)	20	
2.5	461M25591	1.25 (31.8)	0.28 (7.1)	0.46 (11.7)	0.025 (0.6)	15	0.99 (25.1)	0.33 (8.4)	0.52 (13.2)	0.025 (0.6)	20	
2.7	461M27591	1.25 (31.8)	0.29 (7.4)	0.48 (12.2)	0.025 (0.6)	15	0.99 (25.1)	0.27 (6.9)	0.53 (13.5)	0.025 (0.6)	20	
3.0	461M30591	1.25 (31.8)	0.31 (7.9)	0.49 (12.4)	0.025 (0.6)	15	0.99 (25.1)	0.36 (9.1)	0.55 (14.0)	0.032 (0.8)	20	
3.3	461M33591	1.25 (31.8)	0.33 (8.4)	0.51 (13.0)	0.025 (0.6)	15	0.99 (25.1)	0.39 (9.9)	0.57 (14.5)	0.032 (0.8)	21	
3.6	461M36591	1.25 (31.8)	0.34 (8.6)	0.53 (13.5)	0.025 (0.6)	15	0.99 (25.1)	0.41 (10.4)	0.59 (15.0)	0.032 (0.8)	21	
3.9	461M39591	1.25 (31.8)	0.33 (8.4)	0.58 (14.7)	0.025 (0.6)	15	0.99 (25.1)	0.40 (10.2)	0.64 (16.3)	0.032 (0.8)	21	
4.7	461M47591	1.50 (38.1)	0.32 (8.1)	0.57 (14.5)	0.025 (0.6)	12	1.25 (31.8)	0.37 (9.4)	0.62 (15.7)	0.032 (0.8)	15	
5.0	461M50591	1.50 (38.1)	0.33 (8.4)	0.58 (14.7)	0.025 (0.6)	12	1.25 (31.8)	0.39 (9.9)	0.63 (16.0)	0.032 (0.8)	15	
5.6	461M56591	1.50 (38.1)	0.36 (9.1)	0.60 (15.2)	0.032 (0.8)	12	1.25 (31.8)	0.41 (10.4)	0.66 (16.8)	0.032 (0.8)	15	
6.0	461M60591	1.50 (38.1)	0.37 (9.4)	0.62 (15.7)	0.032 (0.8)	12	1.25 (31.8)	0.43 (10.9)	0.68 (17.3)	0.032 (0.8)	15	
6.8	461M68591	1.50 (38.1)	0.40 (10.2)	0.65 (16.5)	0.032 (0.8)	12	1.25 (31.8)	0.46 (11.7)	0.71 (18.0)	0.032 (0.8)	15	
7.0	461M70591	1.50 (38.1)	0.41 (10.4)	0.66 (16.8)	0.032 (0.8)	12	1.25 (31.8)	0.47 (11.9)	0.72 (18.3)	0.032 (0.8)	15	
7.5	461M75591	1.50 (38.1)	0.43 (10.9)	0.67 (17.0)	0.032 (0.8)	12	1.25 (31.8)	0.49 (12.4)	0.74 (18.8)	0.032 (0.8)	15	
8.0	461M80591	1.50 (38.1)	0.44 (11.2)	0.69 (17.5)	0.032 (0.8)	12	1.25 (31.8)	0.48 (12.2)	0.79 (20.1)	0.032 (0.8)	16	
9.0	461M90591	1.50 (38.1)	0.48 (12.2)	0.72 (18.3)	0.032 (0.8)	12	1.25 (31.8)	0.52 (13.2)	0.83 (21.1)	0.032 (0.8)	16	
10.0	461M10691	1.74 (44.2)	0.42 (10.7)	0.73 (18.5)	0.032 (0.8)	10	1.50 (38.1)	0.48 (12.2)	0.79 (20.1)	0.032 (0.8)	12	
12.0	461M12691	2.21 (56.1)	0.39 (9.9)	0.70 (17.8)	0.032 (0.8)	7	1.50 (38.1)	0.53 (13.5)	0.84 (21.3)	0.032 (0.8)	12	
15.0	461M15691	2.21 (56.1)	0.42 (10.7)	0.80 (20.3)	0.032 (0.8)	7	1.50 (38.1)	0.61 (15.5)	0.92 (23.4)	0.032 (0.8)	12	
18.0	461M18691	2.21 (56.1)	0.47 (11.9)	0.85 (21.6)	0.032 (0.8)	7	1.50 (38.1)	0.65 (16.5)	1.02 (25.9)	0.040 (1.0)	12	
20.0	461M20691	2.21 (56.1)	0.51 (13.0)	0.88 (22.4)	0.032 (0.8)	7	1.50 (38.1)	0.69 (17.5)	1.06 (26.9)	0.040 (1.0)	12	
22.0	461M22691	2.21 (56.1)	0.54 (13.7)	0.91 (23.1)	0.032 (0.8)	7	1.74 (44.2)	0.65 (16.5)	1.02 (25.9)	0.040 (1.0)	10	
25.0	461M25691	2.21 (56.1)	0.58 (14.7)	0.95 (24.1)	0.032 (0.8)	7	1.74 (44.2)	0.70 (17.8)	1.07 (27.2)	0.040 (1.0)	10	
30.0	461M30691	2.21 (56.1)	0.65 (16.5)	1.02 (25.9)	0.040 (1.0)	7	1.74 (44.2)	0.79 (20.1)	1.16 (29.5)	0.040 (1.0)	10	
35.0	461M35691	2.21 (56.1)	0.72 (18.3)	1.09 (27.7)	0.040 (1.0)	7	1.74 (44.2)	0.86 (21.8)	1.23 (31.2)	0.040 (1.0)	10	
40.0	461M40691	2.21 (56.1)	0.78 (19.8)	1.15 (29.2)	0.040 (1.0)	7	1.74 (44.2)	0.93 (23.6)	1.30 (33.0)	0.040 (1.0)	10	
45.0	461M45691	2.21 (56.1)	0.83 (21.1)	1.20 (30.5)	0.040 (1.0)	7	1.74 (44.2)	1.00 (25.4)	1.37 (34.8)	0.040 (1.0)	10	
50.0	461M50691	2.21 (56.1)	0.89 (22.6)	1.26 (32.0)	0.040 (1.0)	7	1.74 (44.2)	1.06 (26.9)	1.43 (36.3)	0.040 (1.0)	10	
55.0	461M55691	2.21 (56.1)	0.94 (23.9)	1.31 (33.3)	0.040 (1.0)	7	1.74 (44.2)	1.12 (28.4)	1.49 (37.8)	0.040 (1.0)	10	
60.0	461M60691	2.21 (56.1)	0.99 (25.1)	1.36 (34.5)	0.040 (1.0)	7	1.74 (44.2)	1.18 (30.0)	1.55 (39.4)	0.040 (1.0)	10	
65.0	461M65691	2.21 (56.1)	1.03 (26.2)	1.40 (35.6)	0.040 (1.0)	7	1.74 (44.2)	1.23 (31.2)	1.60 (40.6)	0.040 (1.0)	10	
70.0	461M70691	2.21 (56.1)	1.08 (27.4)	1.45 (36.8)	0.040 (1.0)	7	1.74 (44.2)	1.29 (32.8)	1.66 (42.2)	0.040 (1.0)	10	
75.0	461M75691	2.21 (56.1)	1.12 (28.4)	1.49 (37.8)	0.040 (1.0)	7	1.74 (44.2)	1.34 (34.0)	1.71 (43.4)	0.040 (1.0)	10	
80.0	461M80691	2.21 (56.1)	1.16 (29.5)	1.54 (39.1)	0.040 (1.0)	7	1.74 (44.2)	1.39 (35.3)	1.76 (44.7)	0.040 (1.0)	10	
85.0	461M85691	2.21 (56.1)	1.21 (30.7)	1.58 (40.1)	0.040 (1.0)	7						
90.0	461M90691	2.21 (56.1)	1.24 (31.5)	1.62 (41.1)	0.040 (1.0)	7						
100.0	461M10791	2.21 (56.1)	1.32 (33.5)	1.69 (42.9)	0.040 (1.0)	7						

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



# Type 461M

## Metallized Polyester Film Capacitors

### Type 461M Sizes and Ratings - 250 VDC

Cap ( $\mu$ F)	Base Part #	Standard Dimensions/Ratings <sup>1</sup>				dV/dt V/ $\mu$ sec	Compact Dimensions/Ratings <sup>1</sup>				dV/dt V/ $\mu$ sec
		L MAX	T MAX	H MAX	Wire (d)		L MAX	T MAX	H MAX	Wire (d)	
0.1	461M10492	0.61 (15.5)	0.16 (4.1)	0.26 (6.6)	0.020 (0.5)	22					
0.12	461M12492	0.61 (15.5)	0.17 (4.3)	0.27 (6.9)	0.020 (0.5)	22					
0.15	461M15492	0.79 (20.1)	0.15 (3.8)	0.25 (6.4)	0.020 (0.5)	13	0.61 (15.5)	0.20 (5.1)	0.30 (7.6)	0.020 (0.5)	22
0.18	461M18492	0.79 (20.1)	0.16 (4.1)	0.26 (6.6)	0.020 (0.5)	13	0.61 (15.5)	0.22 (5.6)	0.32 (8.1)	0.020 (0.5)	28
0.22	461M22492	0.79 (20.1)	0.18 (4.6)	0.28 (7.1)	0.020 (0.5)	13	0.61 (15.5)	0.24 (6.1)	0.34 (8.6)	0.020 (0.5)	36
0.25	461M25492	0.79 (20.1)	0.18 (4.6)	0.31 (7.9)	0.020 (0.5)	13	0.61 (15.5)	0.26 (6.6)	0.36 (9.1)	0.020 (0.5)	41
0.27	461M27492	0.79 (20.1)	0.19 (4.8)	0.32 (8.1)	0.020 (0.5)	13	0.61 (15.5)	0.27 (6.9)	0.37 (9.4)	0.020 (0.5)	44
0.33	461M33492	0.99 (25.1)	0.17 (4.3)	0.30 (7.6)	0.020 (0.5)	9	0.79 (20.1)	0.21 (5.3)	0.34 (8.6)	0.020 (0.5)	18
0.39	461M39492	0.99 (25.1)	0.19 (4.8)	0.32 (8.1)	0.020 (0.5)	9	0.79 (20.1)	0.24 (6.1)	0.36 (9.1)	0.020 (0.5)	22
0.43	461M43492	0.99 (25.1)	0.20 (5.1)	0.33 (8.4)	0.020 (0.5)	10	0.79 (20.1)	0.25 (6.4)	0.37 (9.4)	0.020 (0.5)	24
0.47	461M47492	0.99 (25.1)	0.21 (5.3)	0.34 (8.6)	0.020 (0.5)	12	0.79 (20.1)	0.25 (6.4)	0.40 (10.2)	0.020 (0.5)	26
0.5	461M50492	0.99 (25.1)	0.22 (5.6)	0.34 (8.6)	0.020 (0.5)	13	0.79 (20.1)	0.26 (6.6)	0.41 (10.4)	0.025 (0.6)	27
0.56	461M56492	0.99 (25.1)	0.23 (5.8)	0.36 (9.1)	0.020 (0.5)	15	0.79 (20.1)	0.27 (6.9)	0.43 (10.9)	0.025 (0.6)	41
0.6	461M60492	0.99 (25.1)	0.24 (6.1)	0.37 (9.4)	0.020 (0.5)	16	0.79 (20.1)	0.28 (7.1)	0.44 (11.2)	0.025 (0.6)	42
0.68	461M68492	0.99 (25.1)	0.26 (6.6)	0.38 (9.7)	0.025 (0.6)	18	0.79 (20.1)	0.30 (7.6)	0.46 (11.7)	0.025 (0.6)	42
0.75	461M75492	0.99 (25.1)	0.27 (6.9)	0.40 (10.2)	0.025 (0.6)	19	0.79 (20.1)	0.32 (8.1)	0.48 (12.2)	0.025 (0.6)	42
0.82	461M82492	1.25 (31.8)	0.26 (6.6)	0.36 (9.1)	0.025 (0.6)	12	0.99 (25.1)	0.27 (6.9)	0.43 (10.9)	0.025 (0.6)	28
0.9	461M90492	1.25 (31.8)	0.26 (6.6)	0.38 (9.7)	0.025 (0.6)	13	0.99 (25.1)	0.29 (7.4)	0.44 (11.2)	0.025 (0.6)	29
1.0	461M10592	1.25 (31.8)	0.27 (6.9)	0.40 (10.2)	0.025 (0.6)	14	0.99 (25.1)	0.31 (7.9)	0.46 (11.7)	0.025 (0.6)	29
1.2	461M12592	1.25 (31.8)	0.30 (7.6)	0.43 (10.9)	0.025 (0.6)	21	0.99 (25.1)	0.33 (8.4)	0.51 (13.0)	0.025 (0.6)	29
1.5	461M15592	1.25 (31.8)	0.31 (7.9)	0.50 (12.7)	0.025 (0.6)	22	0.99 (25.1)	0.37 (9.4)	0.56 (14.2)	0.032 (0.8)	29
1.8	461M18592	1.25 (31.8)	0.35 (8.9)	0.53 (13.5)	0.025 (0.6)	22	0.99 (25.1)	0.38 (9.7)	0.63 (16.0)	0.032 (0.8)	29
2.0	461M20592	1.50 (38.1)	0.32 (8.1)	0.51 (13.0)	0.025 (0.6)	17	1.25 (31.8)	0.34 (8.6)	0.59 (15.0)	0.025 (0.6)	22
2.2	461M22592	1.50 (38.1)	0.34 (8.6)	0.53 (13.5)	0.025 (0.6)	17	1.25 (31.8)	0.36 (9.1)	0.61 (15.5)	0.032 (0.8)	22
2.5	461M25592	1.50 (38.1)	0.37 (9.4)	0.55 (14.0)	0.032 (0.8)	17	1.25 (31.8)	0.39 (9.9)	0.64 (16.3)	0.032 (0.8)	22
2.7	461M27592	1.50 (38.1)	0.35 (8.9)	0.60 (15.2)	0.032 (0.8)	17	1.25 (31.8)	0.41 (10.4)	0.66 (16.8)	0.032 (0.8)	22
3.0	461M30592	1.50 (38.1)	0.38 (9.7)	0.62 (15.7)	0.032 (0.8)	17	1.25 (31.8)	0.44 (11.2)	0.68 (17.3)	0.032 (0.8)	22
3.3	461M33592	1.50 (38.1)	0.40 (10.2)	0.65 (16.5)	0.032 (0.8)	17	1.25 (31.8)	0.46 (11.7)	0.71 (18.0)	0.032 (0.8)	22
3.6	461M36592	1.50 (38.1)	0.42 (10.7)	0.67 (17.0)	0.032 (0.8)	17	1.25 (31.8)	0.49 (12.4)	0.73 (18.5)	0.032 (0.8)	22
3.9	461M39592	1.50 (38.1)	0.44 (11.2)	0.69 (17.5)	0.032 (0.8)	17	1.25 (31.8)	0.51 (13.0)	0.76 (19.3)	0.032 (0.8)	22
4.7	461M47592	1.74 (44.2)	0.44 (11.2)	0.69 (17.5)	0.032 (0.8)	14	1.50 (38.1)	0.49 (12.4)	0.74 (18.8)	0.032 (0.8)	17
5.0	461M50592	1.74 (44.2)	0.46 (11.7)	0.70 (17.8)	0.032 (0.8)	14	1.50 (38.1)	0.48 (12.2)	0.79 (20.1)	0.032 (0.8)	17
5.6	461M56592	1.74 (44.2)	0.49 (12.4)	0.74 (18.8)	0.032 (0.8)	14	1.50 (38.1)	0.52 (13.2)	0.83 (21.1)	0.032 (0.8)	17
6.0	461M60592	1.74 (44.2)	0.51 (13.0)	0.76 (19.3)	0.032 (0.8)	14	1.50 (38.1)	0.54 (13.7)	0.85 (21.6)	0.032 (0.8)	17
6.8	461M68592	1.74 (44.2)	0.55 (14.0)	0.79 (20.1)	0.032 (0.8)	14	1.50 (38.1)	0.58 (14.7)	0.89 (22.6)	0.032 (0.8)	17
7.0	461M70592	1.74 (44.2)	0.56 (14.2)	0.80 (20.3)	0.032 (0.8)	14	1.50 (38.1)	0.59 (15.0)	0.90 (22.9)	0.032 (0.8)	17
7.5	461M75592	1.74 (44.2)	0.58 (14.7)	0.83 (21.1)	0.032 (0.8)	14	1.50 (38.1)	0.62 (15.7)	0.93 (23.6)	0.032 (0.8)	17
8.0	461M80592	1.74 (44.2)	0.60 (15.2)	0.85 (21.6)	0.032 (0.8)	14	1.50 (38.1)	0.64 (16.3)	0.95 (24.1)	0.040 (1.0)	17
9.0	461M90592	1.74 (44.2)	0.61 (15.5)	0.92 (23.4)	0.032 (0.8)	14	1.50 (38.1)	0.69 (17.5)	1.00 (25.4)	0.040 (1.0)	17
10.0	461M10692	2.21 (56.1)	0.54 (13.7)	0.85 (21.6)	0.032 (0.8)	10	1.74 (44.2)	0.65 (16.5)	0.96 (24.4)	0.040 (1.0)	14
12.0	461M12692	2.21 (56.1)	0.60 (15.2)	0.91 (23.1)	0.032 (0.8)	11	1.74 (44.2)	0.69 (17.5)	1.07 (27.2)	0.040 (1.0)	14
15.0	461M15692	2.21 (56.1)	0.69 (17.5)	1.00 (25.4)	0.040 (1.0)	11	1.74 (44.2)	0.79 (20.1)	1.17 (29.7)	0.040 (1.0)	14
18.0	461M18692	2.21 (56.1)	0.74 (18.8)	1.11 (28.2)	0.040 (1.0)	11	1.74 (44.2)	0.88 (22.4)	1.26 (32.0)	0.040 (1.0)	14
20.0	461M20692	2.21 (56.1)	0.79 (20.1)	1.16 (29.5)	0.040 (1.0)	11	1.74 (44.2)	0.94 (23.9)	1.31 (33.3)	0.040 (1.0)	14
22.0	461M22692	2.21 (56.1)	0.83 (21.1)	1.20 (30.5)	0.040 (1.0)	11	1.74 (44.2)	1.00 (25.4)	1.37 (34.8)	0.040 (1.0)	14
25.0	461M25692	2.21 (56.1)	0.90 (22.9)	1.27 (32.3)	0.040 (1.0)	11	1.74 (44.2)	1.07 (27.2)	1.44 (36.6)	0.040 (1.0)	14
30.0	461M30692	2.21 (56.1)	1.00 (25.4)	1.37 (34.8)	0.040 (1.0)	11	1.74 (44.2)	1.19 (30.2)	1.56 (39.6)	0.040 (1.0)	14
35.0	461M35692	2.21 (56.1)	1.09 (27.7)	1.46 (37.1)	0.040 (1.0)	11	1.74 (44.2)	1.30 (33.0)	1.67 (42.4)	0.040 (1.0)	14
40.0	461M40692	2.21 (56.1)	1.18 (30.0)	1.55 (39.4)	0.040 (1.0)	11	1.74 (44.2)	1.40 (35.6)	1.77 (45.0)	0.040 (1.0)	14
45.0	461M45692	2.21 (56.1)	1.26 (32.0)	1.63 (41.4)	0.040 (1.0)	11					
50.0	461M50692	2.21 (56.1)	1.34 (34.0)	1.71 (43.4)	0.040 (1.0)	11					
55.0	461M55692	2.21 (56.1)	1.41 (35.8)	1.78 (45.2)	0.040 (1.0)	11					

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

# Type 461M

## Metallized Polyester Film Capacitors

### Type 461M Sizes and Ratings - 400 VDC

Cap ( $\mu$ F)	Base Part #	Standard Dimensions/Ratings <sup>1</sup>				dV/dt V/ $\mu$ sec	Compact Dimensions/Ratings <sup>1</sup>				dV/dt V/ $\mu$ sec
		L MAX	T MAX	H MAX	Wire (d)		L MAX	T MAX	H MAX	Wire (d)	
0.027	461M27394	0.61 (15.5)	0.14 (3.6)	0.24 (6.1)	0.020 (0.5)	42					
0.033	461M33394	0.61 (15.5)	0.16 (4.1)	0.26 (6.6)	0.020 (0.5)	42					
0.036	461M36394	0.61 (15.5)	0.17 (4.3)	0.27 (6.9)	0.020 (0.5)	42					
0.039	461M39394	0.61 (15.5)	0.17 (4.3)	0.27 (6.9)	0.020 (0.5)	42					
0.043	461M43394	0.61 (15.5)	0.18 (4.6)	0.28 (7.1)	0.020 (0.5)	42					
0.047	461M47394	0.61 (15.5)	0.19 (4.8)	0.29 (7.4)	0.020 (0.5)	42					
0.05	461M50394	0.61 (15.5)	0.20 (5.1)	0.30 (7.6)	0.020 (0.5)	42					
0.056	461M56394	0.79 (20.1)	0.15 (3.8)	0.25 (6.4)	0.020 (0.5)	23	0.61 (15.5)	0.21 (5.3)	0.31 (7.9)	0.020 (0.5)	49
0.062	461M62394	0.79 (20.1)	0.16 (4.1)	0.26 (6.6)	0.020 (0.5)	23	0.61 (15.5)	0.22 (5.6)	0.32 (8.1)	0.020 (0.5)	57
0.068	461M68394	0.79 (20.1)	0.17 (4.3)	0.27 (6.9)	0.020 (0.5)	23	0.61 (15.5)	0.23 (5.8)	0.33 (8.4)	0.020 (0.5)	65
0.075	461M75394	0.79 (20.1)	0.18 (4.6)	0.28 (7.1)	0.020 (0.5)	23	0.61 (15.5)	0.25 (6.4)	0.35 (8.9)	0.020 (0.5)	72
0.082	461M82394	0.79 (20.1)	0.19 (4.8)	0.29 (7.4)	0.020 (0.5)	23	0.61 (15.5)	0.26 (6.6)	0.36 (9.1)	0.020 (0.5)	78
0.1	461M10494	0.99 (25.1)	0.16 (4.1)	0.28 (7.1)	0.020 (0.5)	16	0.79 (20.1)	0.20 (5.1)	0.32 (8.1)	0.020 (0.5)	25
0.12	461M12494	0.99 (25.1)	0.17 (4.3)	0.30 (7.6)	0.020 (0.5)	16	0.79 (20.1)	0.22 (5.6)	0.34 (8.6)	0.020 (0.5)	34
0.15	461M15494	0.99 (25.1)	0.20 (5.1)	0.32 (8.1)	0.020 (0.5)	16	0.79 (20.1)	0.25 (6.4)	0.37 (9.4)	0.020 (0.5)	42
0.18	461M18494	0.99 (25.1)	0.22 (5.6)	0.34 (8.6)	0.020 (0.5)	22	0.79 (20.1)	0.26 (6.6)	0.41 (10.4)	0.025 (0.6)	48
0.22	461M22494	0.99 (25.1)	0.24 (6.1)	0.37 (9.4)	0.020 (0.5)	28	0.79 (20.1)	0.29 (7.4)	0.45 (11.4)	0.025 (0.6)	73
0.25	461M25494	0.99 (25.1)	0.23 (5.8)	0.42 (10.7)	0.020 (0.5)	30	0.79 (20.1)	0.31 (7.9)	0.47 (11.9)	0.025 (0.6)	74
0.27	461M27494	1.25 (31.8)	0.20 (5.1)	0.39 (9.9)	0.020 (0.5)	18	0.99 (25.1)	0.26 (6.6)	0.41 (10.4)	0.025 (0.6)	32
0.33	461M33494	1.25 (31.8)	0.23 (5.8)	0.42 (10.7)	0.020 (0.5)	21	0.99 (25.1)	0.28 (7.1)	0.46 (11.7)	0.025 (0.6)	49
0.39	461M39494	1.25 (31.8)	0.25 (6.4)	0.44 (11.2)	0.020 (0.5)	35	0.99 (25.1)	0.30 (7.6)	0.49 (12.4)	0.025 (0.6)	49
0.43	461M43494	1.25 (31.8)	0.27 (6.9)	0.45 (11.4)	0.025 (0.6)	36	0.99 (25.1)	0.32 (8.1)	0.51 (13.0)	0.025 (0.6)	49
0.47	461M47494	1.50 (38.1)	0.26 (6.6)	0.42 (10.7)	0.025 (0.6)	18	0.99 (25.1)	0.34 (8.6)	0.53 (13.5)	0.025 (0.6)	50
0.5	461M50494	1.50 (38.1)	0.26 (6.6)	0.44 (11.2)	0.025 (0.6)	27	0.99 (25.1)	0.35 (8.9)	0.54 (13.7)	0.032 (0.8)	50
0.56	461M56494	1.50 (38.1)	0.27 (6.9)	0.46 (11.7)	0.025 (0.6)	28	0.99 (25.1)	0.38 (9.7)	0.56 (14.2)	0.032 (0.8)	50
0.6	461M60494	1.50 (38.1)	0.28 (7.1)	0.47 (11.9)	0.025 (0.6)	28	0.99 (25.1)	0.39 (9.9)	0.58 (14.7)	0.032 (0.8)	50
0.68	461M68494	1.74 (44.2)	0.27 (6.9)	0.46 (11.7)	0.025 (0.6)	22	1.25 (31.8)	0.35 (8.9)	0.54 (13.7)	0.032 (0.8)	36
0.75	461M75494	1.74 (44.2)	0.29 (7.4)	0.47 (11.9)	0.025 (0.6)	23	1.25 (31.8)	0.37 (9.4)	0.56 (14.2)	0.032 (0.8)	37
0.82	461M82494	1.74 (44.2)	0.30 (7.6)	0.49 (12.4)	0.025 (0.6)	23	1.25 (31.8)	0.36 (9.1)	0.61 (15.5)	0.032 (0.8)	37
0.9	461M90494	1.74 (44.2)	0.32 (8.1)	0.51 (13.0)	0.025 (0.6)	23	1.25 (31.8)	0.38 (9.7)	0.63 (16.0)	0.032 (0.8)	37
1.0	461M10594	1.74 (44.2)	0.34 (8.6)	0.52 (13.2)	0.025 (0.6)	23	1.25 (31.8)	0.41 (10.4)	0.66 (16.8)	0.032 (0.8)	37
1.2	461M12594	1.74 (44.2)	0.38 (9.7)	0.56 (14.2)	0.032 (0.8)	23	1.25 (31.8)	0.46 (11.7)	0.70 (17.8)	0.032 (0.8)	37
1.5	461M15594	1.74 (44.2)	0.40 (10.2)	0.65 (16.5)	0.032 (0.8)	23	1.25 (31.8)	0.49 (12.4)	0.80 (20.3)	0.032 (0.8)	37
1.8	461M18594	1.74 (44.2)	0.44 (11.2)	0.69 (17.5)	0.032 (0.8)	23	1.25 (31.8)	0.55 (14.0)	0.86 (21.8)	0.032 (0.8)	37
2.0	461M20594	1.74 (44.2)	0.47 (11.9)	0.72 (18.3)	0.032 (0.8)	23	1.50 (38.1)	0.50 (12.7)	0.81 (20.6)	0.032 (0.8)	29
2.2	461M22594	1.74 (44.2)	0.50 (12.7)	0.75 (19.1)	0.032 (0.8)	23	1.50 (38.1)	0.53 (13.5)	0.84 (21.3)	0.032 (0.8)	29
2.5	461M25594	1.74 (44.2)	0.51 (13.0)	0.82 (20.8)	0.032 (0.8)	23	1.50 (38.1)	0.58 (14.7)	0.88 (22.4)	0.032 (0.8)	29
2.7	461M27594	1.74 (44.2)	0.53 (13.5)	0.84 (21.3)	0.032 (0.8)	24	1.50 (38.1)	0.60 (15.2)	0.91 (23.1)	0.032 (0.8)	29
3.0	461M30594	2.21 (56.1)	0.44 (11.2)	0.81 (20.6)	0.032 (0.8)	17	1.74 (44.2)	0.54 (13.7)	0.91 (23.1)	0.032 (0.8)	24
3.3	461M33594	2.21 (56.1)	0.47 (11.9)	0.84 (21.3)	0.032 (0.8)	17	1.74 (44.2)	0.57 (14.5)	0.94 (23.9)	0.032 (0.8)	24
3.6	461M36594	2.21 (56.1)	0.50 (12.7)	0.87 (22.1)	0.032 (0.8)	17	1.74 (44.2)	0.60 (15.2)	0.97 (24.6)	0.032 (0.8)	24
3.9	461M39594	2.21 (56.1)	0.52 (13.2)	0.89 (22.6)	0.032 (0.8)	17	1.74 (44.2)	0.63 (16.0)	1.00 (25.4)	0.040 (1.0)	24
4.7	461M47594	2.21 (56.1)	0.59 (15.0)	0.96 (24.4)	0.032 (0.8)	17	1.74 (44.2)	0.71 (18.0)	1.08 (27.4)	0.040 (1.0)	24
5.0	461M50594	2.21 (56.1)	0.61 (15.5)	0.98 (24.9)	0.032 (0.8)	17	1.74 (44.2)	0.74 (18.8)	1.11 (28.2)	0.040 (1.0)	24
5.6	461M56594	2.21 (56.1)	0.65 (16.5)	1.02 (25.9)	0.040 (1.0)	17	1.74 (44.2)	0.79 (20.1)	1.16 (29.5)	0.040 (1.0)	24
6.0	461M60594	2.21 (56.1)	0.68 (17.3)	1.05 (26.7)	0.040 (1.0)	17	1.74 (44.2)	0.82 (20.8)	1.19 (30.2)	0.040 (1.0)	24
6.8	461M68594	2.21 (56.1)	0.73 (18.5)	1.10 (27.9)	0.040 (1.0)	17	1.74 (44.2)	0.88 (22.4)	1.26 (32.0)	0.040 (1.0)	24
7.0	461M70594	2.21 (56.1)	0.75 (19.1)	1.12 (28.4)	0.040 (1.0)	17	1.74 (44.2)	0.90 (22.9)	1.27 (32.3)	0.040 (1.0)	24
7.5	461M75594	2.21 (56.1)	0.78 (19.8)	1.15 (29.2)	0.040 (1.0)	17	1.74 (44.2)	0.94 (23.9)	1.31 (33.3)	0.040 (1.0)	24
8.0	461M80594	2.21 (56.1)	0.81 (20.6)	1.18 (30.0)	0.040 (1.0)	17	1.74 (44.2)	0.97 (24.6)	1.34 (34.0)	0.040 (1.0)	24
9.0	461M90594	2.21 (56.1)	0.87 (22.1)	1.24 (31.5)	0.040 (1.0)	17	1.74 (44.2)	1.04 (26.4)	1.41 (35.8)	0.040 (1.0)	24
10.0	461M10694	2.21 (56.1)	0.92 (23.4)	1.29 (32.8)	0.040 (1.0)	17	1.74 (44.2)	1.11 (28.2)	1.48 (37.6)	0.040 (1.0)	24
12.0	461M12694	2.21 (56.1)	1.03 (26.2)	1.40 (35.6)	0.040 (1.0)	17	1.74 (44.2)	1.23 (31.2)	1.60 (40.6)	0.040 (1.0)	24
15.0	461M15694	2.21 (56.1)	1.17 (29.7)	1.54 (39.1)	0.040 (1.0)	17	1.74 (44.2)	1.39 (35.3)	1.77 (45.0)	0.040 (1.0)	24
18.0	461M18694	2.21 (56.1)	1.29 (32.8)	1.66 (42.2)	0.040 (1.0)	17					
20.0	461M20694	2.21 (56.1)	1.37 (34.8)	1.74 (44.2)	0.040 (1.0)	17					

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