

# U36L Series



- Large Can
- Screw Terminals
- Longest Life U36 Grade
- High Ripple
- 350 to 500VDC Ratings
- RoHS Compliant
- +85°C Maximum Temperature



The U36L series is the longest life version of the industry standard U36D specifically designed to provide the ripple current capability and long life required for high reliability inverter applications. The U36L has an endurance rating of 10,000 hours at +85°C with the rated ripple current applied. These capacitors are available with a variety of high current English or Metric thread terminals. Mounting options include a three-footed clamp or a bottom stud. Custom designs are available upon request.

## Summary of Specifications

- Screw terminals: high and low post, English and Metric thread.
- Capacitance range: 1,500 to 15,000µF.
- Voltage range: 350 to 500VDC.
- Category temperature range: -40°C to +85°C.
- Leakage current: 0.02CV(µA) or 5mA, whichever is smaller, after 5 minutes at +25°C.
- Standard capacitance tolerance: ±20%
- Nominal case size (D×L): D = 50mm (2.000") to 89mm (3.500"); L = 79mm (3.125") to 220mm (8.625").
- Rated lifetime: 10,000 hours at +85°C with rated ripple current applied.

U36L  
LARGE CAN 85°C

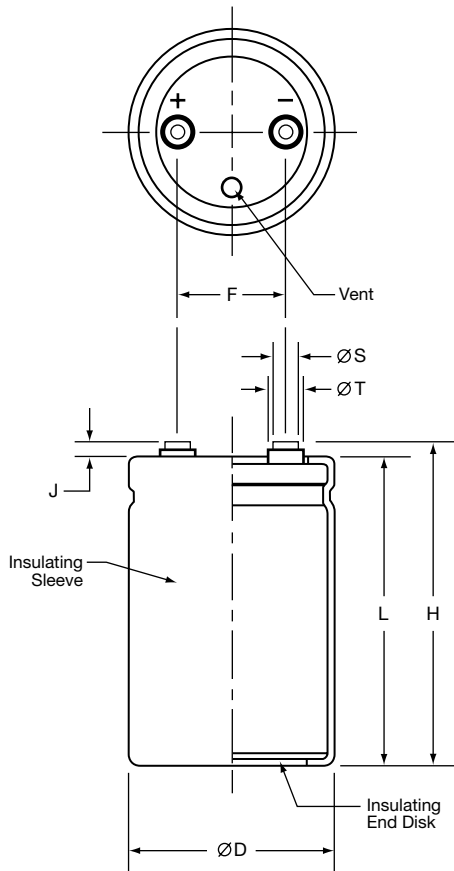
## U36L Specifications - Screw Terminals

Item	Characteristics																																																				
Category Temperature Range	- 40 to +85°C																																																				
Rated Voltage Range	350 to 500VDC																																																				
Capacitance Range	1,500 to 15,000µF at +25°C, 120Hz																																																				
Capacitance Tolerance	± 20% (M) at +25°C, 120Hz																																																				
Leakage Current	I = 0.02CV (µA) or 5mA, whichever is smaller, after 5 minutes at +25°C. Where I = Max. leakage current (µA), C = Nominal capacitance (µF) and V = Rated voltage (V)																																																				
Rated Ripple Current Multipliers	Ambient Temperature (°C) <table border="1"> <thead> <tr> <th>+45°C</th> <th>+65°C</th> <th>+85°C</th> </tr> </thead> <tbody> <tr> <td>2.82</td> <td>1.73</td> <td>1.00</td> </tr> </tbody> </table>	+45°C	+65°C	+85°C	2.82	1.73	1.00																																														
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Endurance (Load Life)	The following specifications shall be satisfied when the capacitors are restored to +25°C after subjecting them to DC voltage for 10,000 hours at +85°C with the rated ripple current applied. The sum of the DC voltage and peak AC voltage must not exceed the full rated voltage of the capacitors. Capacitance change: ≤ 20% from initial measurement ESR change : ≤ 200% of initial specified limit Leakage current : ≤ initial specified limit																																																				
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to +25°C after exposing them for 500 hours at +85°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change: ≤ 20% from initial measurement ESR change : ≤ 200% of initial specified limit Leakage current : ≤ initial specified limit																																																				
Vibration Rating	10-55Hz, 10g sinusoidal in three axis, 2 hours per axis.																																																				
Maximum Tightening Torque	<table border="1"> <thead> <tr> <th rowspan="2">Terminal Code</th> <th rowspan="2">Thread Size</th> <th colspan="2">3 Threads Engaged</th> <th colspan="2">6 Threads Engaged</th> </tr> <tr> <th>in-lb</th> <th>N·m</th> <th>in-lb</th> <th>N·m</th> </tr> </thead> <tbody> <tr> <td>HP</td> <td>10-32 NF-2B</td> <td>18.0</td> <td>2.0</td> <td>25.0</td> <td>2.8</td> </tr> <tr> <td>HL</td> <td>M5x0.8-6H</td> <td>18.0</td> <td>2.0</td> <td>25.0</td> <td>2.8</td> </tr> <tr> <td>CD</td> <td>M5x0.8-6H</td> <td>18.0</td> <td>2.0</td> <td>25.0</td> <td>2.8</td> </tr> <tr> <td>CP</td> <td>1/4-28 NF-2B</td> <td>35.0</td> <td>4.0</td> <td>55.0</td> <td>6.2</td> </tr> <tr> <td>CH</td> <td>1/4-28 NF-2B</td> <td>35.0</td> <td>4.0</td> <td>55.0</td> <td>6.2</td> </tr> <tr> <td>CA</td> <td>M6x1-6H</td> <td>35.0</td> <td>4.0</td> <td>55.0</td> <td>6.2</td> </tr> <tr> <td>CS</td> <td>M6x1-6H</td> <td>35.0</td> <td>4.0</td> <td>55.0</td> <td>6.2</td> </tr> </tbody> </table>	Terminal Code	Thread Size	3 Threads Engaged		6 Threads Engaged		in-lb	N·m	in-lb	N·m	HP	10-32 NF-2B	18.0	2.0	25.0	2.8	HL	M5x0.8-6H	18.0	2.0	25.0	2.8	CD	M5x0.8-6H	18.0	2.0	25.0	2.8	CP	1/4-28 NF-2B	35.0	4.0	55.0	6.2	CH	1/4-28 NF-2B	35.0	4.0	55.0	6.2	CA	M6x1-6H	35.0	4.0	55.0	6.2	CS	M6x1-6H	35.0	4.0	55.0	6.2
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Custom Designs	Custom CV values per case size and termination type may be available upon request. Contact appropriate representative with specific requirements.																																																				

## Diagram of Dimensions - Screw Terminals

### Large Can/Screw Terminals

Unit: mm (inches)



### Case Dimensions

Case Size Code	ØD +2.0 (0.080)	L ±1.0 (0.040)	F ±0.25 (0.010)
CA5 CB7 CD0 CE3	50.8 (2.000)	105 (4.125) 117 (4.625) 130 (5.125) 143 (5.625)	22.2 (0.875)
D92 DA5 DB7 DD0 DE3 DN0	63.5 (2.500)	92 (3.625) 105 (4.125) 117 (4.625) 130 (5.125) 143 (5.625) 220 (8.625)	28.6 (1.125)
E79 E92 EA5 EB7 ED0 EE3 EJ0 EN0	76.2 (3.000)	79 (3.125) 92 (3.625) 105 (4.125) 117 (4.625) 130 (5.125) 143 (5.625) 180 (7.125) 220 (8.625)	31.8 (1.250)
F92 FA5 FB7 FD0 FE3 FF5 FK0 FN0	89.0 (3.500)	92 (3.625) 105 (4.125) 117 (4.625) 130 (5.125) 143 (5.625) 155 (6.125) 190 (7.500) 220 (8.625)	31.8 (1.250)

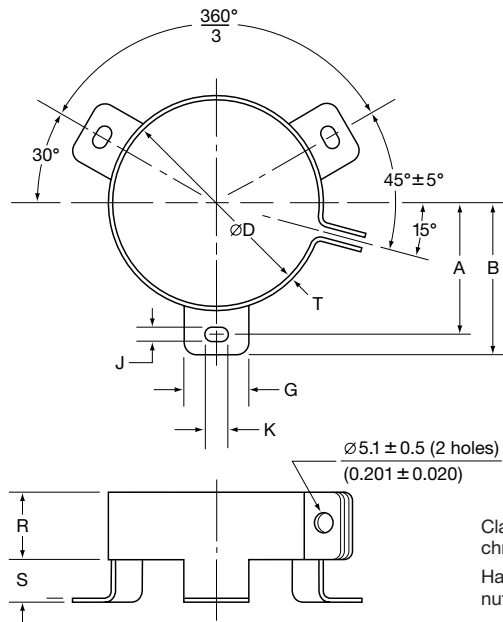
### Terminal Specifications

Terminal Code	Available Case Diameter		Thread Size	Minimum Thread Depth	J ±0.5 (0.020)	H ±2.0 (0.080)	ØS ±0.25 (0.010)	ØT ±0.25 (0.010)
	ØD Code	ØD mm (inches)						
HP	C	50.8 (2.000)	10-32 NF-2B	9.5 (0.375)	6.4 (0.250)	L+J	8.0 (0.313)	11.1 (0.438)
HL	C	50.8 (2.000)	M5x0.8-6H	9.5 (0.375)	6.4 (0.250)	L+J	8.0 (0.313)	11.1 (0.438)
CD	D-E	63.5 – 76.2 (2.500 – 3.000)	M5x0.8-6H	8.5 (0.335)	5.0 (0.200)	L+J	13.0 (0.512)	18.8 (0.740)
CP	D-F	63.5 – 89.0 (2.500 – 3.500)	1/4-28 NF-2B	8.7 (0.344)	2.4 (0.093)	L+J	17.5 (0.689)	—
CH	D-F	63.5 – 89.0 (2.500 – 3.500)	1/4-28 NF-2B	11.9 (0.468)	6.4 (0.250)	L+J	17.5 (0.689)	—
CA	D-F	63.5 – 89.0 (2.500 – 3.500)	M6x1-6H	8.7 (0.344)	2.4 (0.093)	L+J	17.5 (0.689)	—
CS	D-F	63.5 – 89.0 (2.500 – 3.500)	M6x1-6H	11.9 (0.468)	6.4 (0.250)	L+J	17.5 (0.689)	—

## Mounting Hardware - Screw Terminals

### Type C: Three-Footed Clamp

Unit: mm (inches)



Clamp: Zinc with silver trivalent chromate post treatment.

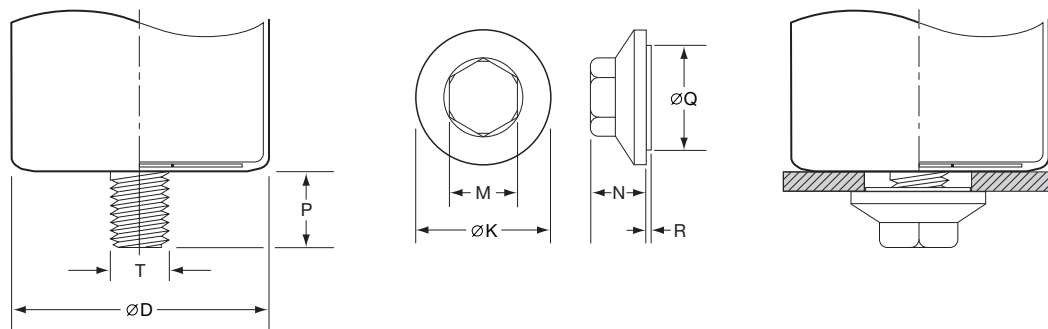
Hardware: Screw, washer and hexagon nut included with each clamp.

### Type C: Clamp Dimensions

Mounting Code	Case $\varnothing D$	A $\pm 1.0 (0.040)$	B $\pm 1.0 (0.040)$	G $\pm 1.0 (0.040)$	J $\pm 0.5 (0.020)$	K $\pm 0.5 (0.020)$	R $\pm 1.0 (0.040)$	S $\pm 1.0 (0.040)$	T $\pm 0.5 (0.020)$
C	50.8 (2.000)	31.8 (1.250)	36.5 (1.437)	13.3 (0.524)	4.5 (0.177)	7.1 (0.280)	19.1 (0.751)	9.5 (0.374)	0.8 (0.032)
C	63.5 (2.500)	38.1 (1.500)	42.9 (1.689)	13.3 (0.524)	4.5 (0.177)	7.1 (0.280)	19.1 (0.751)	9.5 (0.374)	0.8 (0.032)
C	76.2 (3.000)	44.5 (1.750)	49.2 (1.937)	13.3 (0.524)	4.5 (0.177)	7.1 (0.280)	19.1 (0.751)	9.5 (0.374)	1.0 (0.040)
C	89.0 (3.500)	50.8 (2.000)	56.5 (2.224)	16.0 (0.630)	4.5 (0.177)	8.0 (0.313)	21.0 (0.827)	9.0 (0.354)	1.0 (0.040)

 Note: Type B two-footed clamp available upon request for  $\varnothing 50.8$ ,  $\varnothing 63.5$  and  $\varnothing 76.2$ . Consult UCC for specifications.

### Type S: Stud Mounting

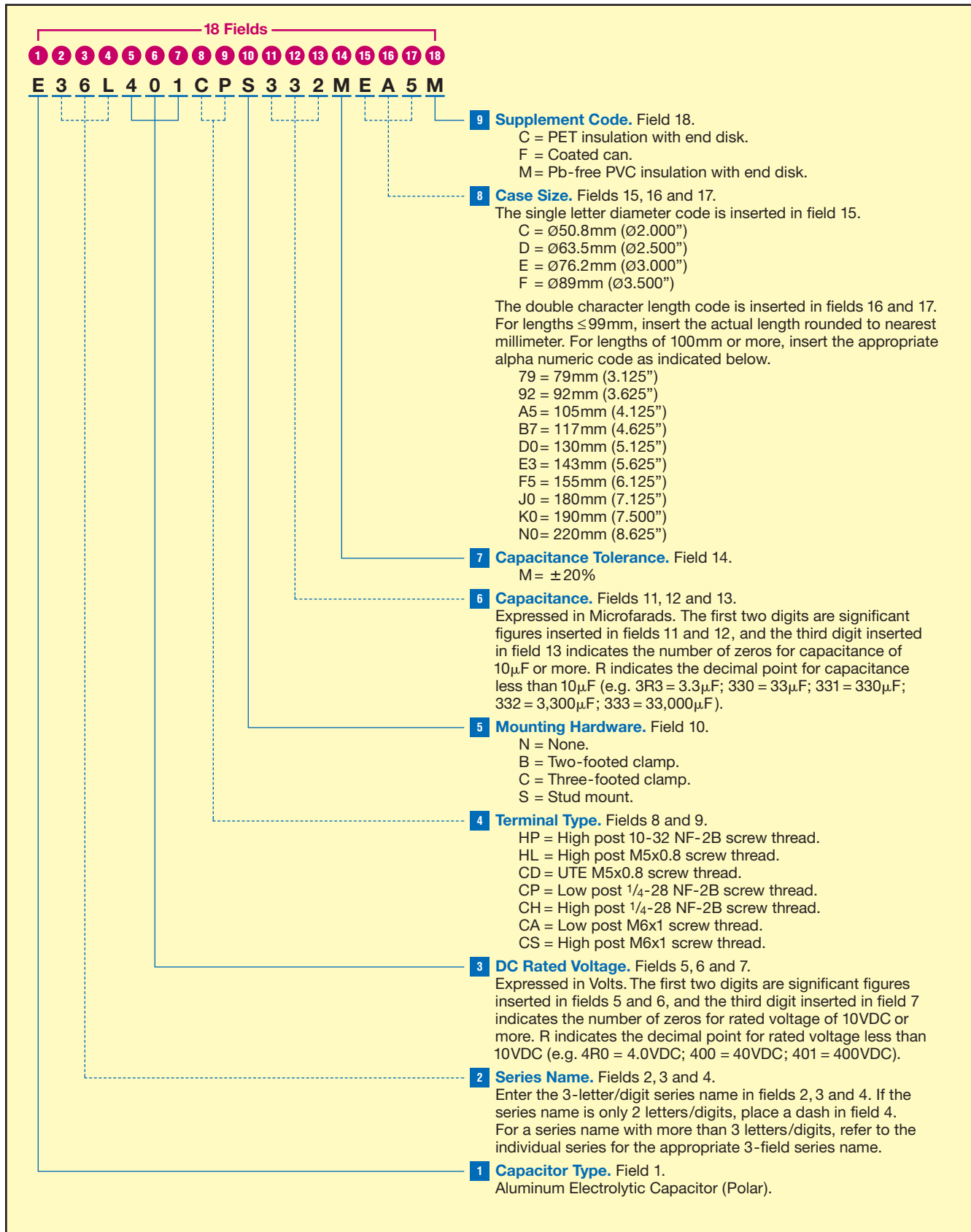


### Type S: Stud Mounting Dimensions

Mounting Code	P $\pm 1.0 (0.040)$	T Thread Size	M $\pm 1.0 (0.040)$	N $\pm 1.0 (0.040)$	$\varnothing K$ $\pm 2.0 (0.080)$	$\varnothing Q$ $\pm 1.0 (0.040)$	R $\pm 1.0 (0.040)$
S	16.0 (0.630)	M12	19.0 (0.748)	18.0 (0.709)	30.0 (1.181)	22.0 (0.866)	1.40 (0.055)

## Part Numbering System for U36L Series

When ordering, always specify complete 18-field global part number.



## Standard Voltage Ratings - Screw Terminals

Rated Voltage (VWDC)	Capacitance (µF)	Global Part Number†	Nominal Case Size* D × L (mm)	Case Size Code	Maximum ESR (mΩ) at +25°C, 120Hz	Rated Ripple Current (A rms) at +85°C		
						120Hz	300Hz	>3kHz
350 Volts 400 Volts Surge	2,200	E36L351HPN222MCA5M	50 × 105	CA5	45	8.8	10.6	12.3
	2,700	E36L351HPN272MCB7M	50 × 117	CB7	37	9.6	11.5	13.4
	3,300	E36L351HPN332MCE3M	50 × 143	CE3	30	11.6	13.9	16.2
	2,200	E36L351CPN222MD92M	63.5 × 92	D92	45	8.8	10.6	12.3
	2,200	E36L351CPN222MDA5M	63.5 × 105	DA5	39	10.0	13.0	15.1
	2,700	E36L351CPN272MDA5M	63.5 × 105	DA5	37	9.6	11.5	13.4
	2,700	E36L351CPN272MDD0M	63.5 × 130	DD0	32	11.8	15.4	17.7
	3,300	E36L351CPN332MDB7M	63.5 × 117	DB7	30	11.6	13.9	16.2
	3,300	E36L351CPN332MDE3M	63.5 × 143	DE3	26	13.8	17.9	20.7
	3,900	E36L351CPN392MDD0M	63.5 × 130	DD0	26	13.0	16.4	19.1
	4,700	E36L351CPN472MDE3M	63.5 × 143	DE3	21	15.1	18.1	21.2
	5,600	E36L351CPN562MDN0M	63.5 × 220	DN0	15	21.5	28.0	32.3
	6,800	E36L351CPN682MDN0M	63.5 × 220	DN0	15	20.8	24.9	29.1
	2,200	E36L351CPN222ME79M	76 × 79	E79	39	10.0	13.0	15.1
	2,700	E36L351CPN272ME92M	76 × 92	E92	32	11.8	15.4	17.7
	3,300	E36L351CPN332MEA5M	76 × 105	EA5	26	13.8	17.9	20.7
	3,900	E36L351CPN392ME92M	76 × 92	E92	26	13.0	16.4	19.1
	3,900	E36L351CPN392MEB7M	76 × 117	EB7	22	15.6	20.2	23.3
	4,700	E36L351CPN472MEA5M	76 × 105	EA5	21	15.1	18.1	21.2
	4,700	E36L351CPN472MEE3M	76 × 143	EE3	18	18.0	23.4	27.0
	5,600	E36L351CPN562MEB7M	76 × 117	EB7	18	17.3	20.8	24.3
	6,800	E36L351CPN682MEE3M	76 × 143	EE3	15	20.8	24.9	29.1
	6,800	E36L351CPN682MEJ0M	76 × 180	EJ0	13	24.7	32.1	37.0
	8,200	E36L351CPN822MEJ0M	76 × 180	EJ0	12	23.9	28.7	33.5
	8,200	E36L351CPN822MEN0M	76 × 220	EN0	11	28.1	36.6	42.2
	10,000	E36L351CPN103MEN0M	76 × 220	EN0	10	28.5	34.2	39.9
	3,900	E36L351CPN392MF92M	89 × 92	F92	22	15.6	20.2	23.3
	4,700	E36L351CPN472MFA5M	89 × 105	FA5	18	18.0	23.4	27.0
	5,600	E36L351CPN562MFA5M	89 × 105	FA5	18	17.3	20.8	24.3
	5,600	E36L351CPN562MFD0M	89 × 130	FD0	15	21.5	28.0	32.3
	6,800	E36L351CPN682MFE3M	89 × 143	FE3	13	24.7	32.1	37.0
	8,200	E36L351CPN822MFD0M	89 × 130	FD0	12	23.9	28.7	33.5
	8,200	E36L351CPN822MFF5M	89 × 155	FF5	11	28.1	36.6	42.2
10,000	E36L351CPN103MFF5M	89 × 155	FF5	10	28.5	34.2	39.9	
10,000	E36L351CPN103MFK0M	89 × 190	FK0	9	34.0	44.2	51.0	
12,000	E36L351CPN123MFK0M	89 × 190	FK0	8	34.2	41.0	47.9	
15,000	E36L351CPN153MFN0M	89 × 220	FN0	7	40.7	48.9	57.0	
400 Volts 450 Volts Surge	1,800	E36L401HPN182MCA5M	50 × 105	CA5	56	7.4	8.9	10.4
	1,800	E36L401HPN182MCE3M	50 × 143	CE3	48	8.9	10.7	12.5
	2,200	E36L401HPN222MCD0M	50 × 130	CD0	39	10.7	12.8	14.9
	1,800	E36L401CPN182MD92M	63.5 × 92	D92	56	7.4	8.9	10.4
	1,800	E36L401CPN182MDB7M	63.5 × 117	DB7	48	8.9	10.7	12.5
	2,200	E36L401CPN222MDA5M	63.5 × 105	DA5	45	9.1	10.3	12.7
	2,200	E36L401CPN222MDD0M	63.5 × 130	DD0	39	10.7	12.8	14.9
	2,700	E36L401CPN272MDB7M	63.5 × 117	DB7	37	10.9	13.0	15.2
	2,700	E36L401CPN272MDE3M	63.5 × 143	DE3	32	12.5	15.0	17.5
	3,300	E36L401CPN332MDD0M	63.5 × 130	DD0	30	12.6	15.1	17.6
	2,200	E36L401CPN222ME92M	76 × 92	E92	39	10.7	12.8	14.9
	2,700	E36L401CPN272ME92M	76 × 92	E92	37	10.9	13.0	15.2
	2,700	E36L401CPN272MEA5M	76 × 105	EA5	32	12.5	15.0	17.5
	3,300	E36L401CPN332MEA5M	76 × 105	EA5	30	12.6	15.1	17.6
	3,300	E36L401CPN332MEB7M	76 × 117	EB7	26	14.5	17.4	20.3
	3,900	E36L401CPN392MEB7M	76 × 117	EB7	26	14.3	17.1	20.0
	3,900	E36L401CPN392MED0M	76 × 130	ED0	22	16.4	19.7	23.0
	4,700	E36L401CPN472MED0M	76 × 130	ED0	21	16.5	19.8	23.1
	4,700	E36L401CPN472MEE3M	76 × 143	EE3	18	18.8	22.6	26.3
	5,600	E36L401CPN562MEE3M	76 × 143	EE3	18	18.9	22.6	26.4
5,600	E36L401CPN562MEJ0M	76 × 180	EJ0	15	22.8	27.4	32.0	

† For terminal, mounting and construction options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

## Standard Voltage Ratings - Screw Terminals

Rated Voltage (WVDC)	Capacitance (µF)	Global Part Number†	Nominal Case Size* D × L (mm)	Case Size Code	Maximum ESR (mΩ) at +25°C, 120Hz	Rated Ripple Current (A rms) at +85°C		
						120Hz	300Hz	>3kHz

<b>400 Volts 450 Volts Surge</b>	6,800	E36L401CPN682MEJ0M	76 × 180	EJ0	15	21.8	26.1	30.5
	6,800	E36L401CPN682MEN0M	76 × 220	EN0	13	24.7	29.6	34.6
	8,200	E36L401CPN822MEN0M	76 × 220	EN0	12	24.9	29.9	34.9
	3,300	E36L401CPN332MF92M	89 × 92	F92	26	14.5	17.4	20.3
	3,900	E36L401CPN392MF92M	89 × 92	F92	26	14.3	17.1	20.0
	3,900	E36L401CPN392MFA5M	89 × 105	FA5	22	16.4	19.7	23.0
	4,700	E36L401CPN472MFA5M	89 × 105	FA5	21	16.5	19.8	23.1
	4,700	E36L401CPN472MFD0M	89 × 130	FD0	18	18.8	22.6	26.3
	5,600	E36L401CPN562MFB7M	89 × 117	FB7	18	18.9	22.6	26.4
	6,800	E36L401CPN682MFD0M	89 × 130	FD0	15	21.8	26.1	30.5
	6,800	E36L401CPN682MFE3M	89 × 143	FE3	13	24.7	29.6	34.6
	8,200	E36L401CPN822MFE3M	89 × 143	FE3	12	24.9	29.9	34.9
	8,200	E36L401CPN822MFK0M	89 × 190	FK0	11	30.8	36.9	43.1
	10,000	E36L401CPN103MFK0M	89 × 190	FK0	10	31.2	37.5	43.7
10,000	E36L401CPN103MFN0M	89 × 220	FN0	9	36.2	43.4	50.7	
12,000	E36L401CPN123MFN0M	89 × 220	FN0	8	36.4	43.7	51.0	

<b>420 Volts 470 Volts Surge</b>	1,800	E36L421HPN182MCB7M	50 × 117	CB7	74	7.7	9.3	10.8
	1,800	E36L421HPN182MCE3M	50 × 143	CE3	63	9.2	11.0	12.8
	2,200	E36L421HPN222MCE3M	50 × 143	CE3	61	9.2	11.0	12.8
	1,800	E36L421CPN182MDA5M	63.5 × 105	DA5	74	7.7	9.3	10.8
	2,200	E36L421CPN222MDA5M	63.5 × 105	DA5	61	9.2	11.0	12.8
	2,200	E36L421CPN222MDE3M	63.5 × 143	DE3	52	11.1	13.3	15.5
	2,700	E36L421CPN272MD0M	63.5 × 130	DD0	49	10.7	12.8	15.0
	3,300	E36L421CPN332MDE3M	63.5 × 143	DE3	40	12.5	15.0	17.5
	5,600	E36L421CPN562MDN0M	63.5 × 220	DN0	24	19.5	23.4	27.3
	1,800	E36L421CPN182ME92M	76 × 92	E92	63	9.2	11.0	12.8
	2,200	E36L421CPN222MEA5M	76 × 105	EA5	52	11.1	13.3	15.5
	2,700	E36L421CPN272ME92M	76 × 92	E92	49	10.7	12.8	15.0
	2,700	E36L421CPN272MEB7M	76 × 117	EB7	42	12.7	15.3	17.8
	3,300	E36L421CPN332MEA5M	76 × 105	EA5	40	12.5	15.0	17.5
	3,300	E36L421CPN332MED0M	76 × 130	ED0	34	14.8	17.8	20.7
	3,900	E36L421CPN392MEB7M	76 × 117	EB7	34	14.1	16.9	19.7
	3,900	E36L421CPN392MEE3M	76 × 143	EE3	29	16.8	20.2	23.6
	4,700	E36L421CPN472MEE3M	76 × 143	EE3	28	16.3	19.5	22.8
	4,700	E36L421CPN472MEJ0M	76 × 180	EJ0	24	20.2	24.2	28.2
	5,600	E36L421CPN562MEN0M	76 × 220	EN0	20	22.8	27.4	32.0
	6,800	E36L421CPN682MEJ0M	76 × 180	EJ0	20	22.3	26.8	31.3
	8,200	E36L421CPN822MEN0M	76 × 220	EN0	16	25.4	30.5	35.6
	2,700	E36L421CPN272MF92M	89 × 92	F92	42	12.7	15.3	17.8
	3,300	E36L421CPN332MFA5M	89 × 105	FA5	34	14.8	17.8	20.7
	3,900	E36L421CPN392MF92M	89 × 92	F92	34	14.1	16.9	19.7
	3,900	E36L421CPN392MFB7M	89 × 117	FB7	29	16.8	20.2	23.6
	4,700	E36L421CPN472MFA5M	89 × 105	FA5	28	16.3	19.5	22.8
	4,700	E36L421CPN472MFE3M	89 × 143	FE3	24	20.2	24.2	28.2
	5,600	E36L421CPN562MFD0M	89 × 130	FD0	24	19.5	23.4	27.3
	5,600	E36L421CPN562MFF5M	89 × 155	FF5	20	22.8	27.4	32.0
	6,800	E36L421CPN682MFE3M	89 × 143	FE3	20	22.3	26.8	31.3
	6,800	E36L421CPN682MFK0M	89 × 190	FK0	17	27.5	33.0	38.5
	8,200	E36L421CPN822MFF5M	89 × 155	FF5	16	25.4	30.5	35.6
	8,200	E36L421CPN822MFN0M	89 × 220	FN0	14	32.2	38.6	45.1
10,000	E36L421CPN103MFK0M	89 × 190	FK0	13	30.7	36.9	43.0	
12,000	E36L421CPN123MFN0M	89 × 220	FN0	11	35.9	43.0	50.2	

<b>450 Volts 500 Volts Surge</b>	1,500	E36L451HPN152MCB7M	50 × 117	CB7	89	7.0	8.4	9.9
	1,500	E36L451HPN152MCE3M	50 × 143	CE3	76	8.4	10.0	11.7
	1,800	E36L451HPN182MCD0M	50 × 130	CD0	74	8.1	9.7	11.3
	1,500	E36L451CPN152MD92M	63.5 × 92	D92	89	7.0	8.4	9.9
	1,500	E36L451CPN152MDB7M	63.5 × 117	DB7	76	8.4	10.0	11.7

† For terminal, mounting and construction options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

## Standard Voltage Ratings - Screw Terminals

Rated Voltage (VWDC)	Capacitance (µF)	Global Part Number†	Nominal Case Size* D × L (mm)	Case Size Code	Maximum ESR (mΩ) at +25°C, 120Hz	Rated Ripple Current (A rms) at +85°C		
						120Hz	300Hz	>3kHz
<b>450 Volts 500 Volts Surge</b>	1,800	E36L451CPN182MDA5M	63.5 × 105	DA5	74	8.1	9.7	11.3
	1,800	E36L451CPN182MD0M	63.5 × 130	DD0	63	9.5	11.4	13.3
	2,200	E36L451CPN222MDB7M	63.5 × 117	DB7	61	9.6	11.6	13.5
	2,200	E36L451CPN222MDE3M	63.5 × 143	DE3	52	11.1	13.3	15.5
	2,700	E36L451CPN272MDE3M	63.5 × 143	DE3	49	11.3	13.5	15.8
	1,800	E36L451CPN182ME92M	76 × 92	E92	63	9.5	11.4	13.3
	2,200	E36L451CPN222ME92M	76 × 92	E92	61	9.6	11.6	13.5
	2,200	E36L451CPN222MEA5M	76 × 105	EA5	52	11.1	13.3	15.5
	2,700	E36L451CPN272MEA5M	76 × 105	EA5	49	11.3	13.5	15.8
	2,700	E36L451CPN272MED0M	76 × 130	ED0	42	13.4	16.1	18.8
	3,300	E36L451CPN332MEB7M	76 × 117	EB7	40	13.1	15.7	18.3
	3,300	E36L451CPN332MEE3M	76 × 143	EE3	34	15.5	18.6	21.7
	3,900	E36L451CPN392MED0M	76 × 130	ED0	34	14.8	17.8	20.8
	3,900	E36L451CPN392MEJ0M	76 × 180	EJ0	29	17.6	21.2	24.7
	4,700	E36L451CPN472MEE3M	76 × 143	EE3	28	17.0	20.4	23.8
	4,700	E36L451CPN472MEN0M	76 × 220	EN0	24	20.9	25.1	29.3
	5,600	E36L451CPN562MEJ0M	76 × 180	EJ0	24	19.5	23.4	27.3
	6,800	E36L451CPN682MEN0M	76 × 220	EN0	20	23.2	27.8	32.4
	2,700	E36L451CPN272MFA5M	89 × 105	FA5	42	13.4	16.1	18.8
	3,300	E36L451CPN332MF92M	89 × 92	F92	40	13.1	15.7	18.3
	3,300	E36L451CPN332MFB7M	89 × 117	FB7	34	15.5	18.6	21.7
	3,900	E36L451CPN392MFA5M	89 × 105	FA5	34	14.8	17.8	20.8
	3,900	E36L451CPN392MFD0M	89 × 130	FD0	29	17.6	21.2	24.7
	4,700	E36L451CPN472MFB7M	89 × 117	FB7	28	17.0	20.4	23.8
	4,700	E36L451CPN472MFF5M	89 × 155	FF5	24	20.9	25.1	29.3
	5,600	E36L451CPN562MFD0M	89 × 130	FD0	24	19.5	23.4	27.3
	5,600	E36L451CPN562MFK0M	89 × 190	FK0	20	25.0	30.0	35.0
	6,800	E36L451CPN682MFF5M	89 × 155	FF5	20	23.2	27.8	32.4
	6,800	E36L451CPN682MFN0M	89 × 220	FN0	17	29.3	35.2	41.0
	8,200	E36L451CPN822MFK0M	89 × 190	FK0	16	27.8	33.4	39.0
	10,000	E36L451CPN103MFN0M	89 × 220	FN0	13	32.7	39.3	45.8
	<b>500 Volts 550 Volts Surge</b>	1,500	E36L501HPN152MCE3M	50 × 143	CE3	107	6.7	8.0
1,500		E36L501CPN152MD92M	63.5 × 92	D92	107	6.7	8.0	9.4
1,500		E36L501CPN152MDB7M	63.5 × 117	DB7	93	8.0	9.6	11.2
1,800		E36L501CPN182MDA5M	63.5 × 105	DA5	89	7.7	9.2	10.7
1,800		E36L501CPN182MDE3M	63.5 × 143	DE3	78	9.2	11.1	12.9
2,200		E36L501CPN222MDB7M	63.5 × 117	DB7	63	9.0	10.8	12.6
2,700		E36L501CPN272MDE3M	63.5 × 143	DE3	59	10.5	12.6	14.7
1,500		E36L501CPN152ME92M	76 × 92	E92	93	8.0	9.6	11.2
1,800		E36L501CPN182ME79M	76 × 79	E79	89	7.7	9.2	10.7
1,800		E36L501CPN182MEA5M	76 × 105	EA5	78	9.2	11.1	12.9
2,200		E36L501CPN222ME92M	76 × 92	E92	63	9.0	10.8	12.6
2,200		E36L501CPN222MEB7M	76 × 117	EB7	74	10.7	12.8	15.0
2,700		E36L501CPN272MEA5M	76 × 105	EA5	59	10.5	12.6	14.7
2,700		E36L501CPN272MEE3M	76 × 143	EE3	52	12.3	14.8	17.3
3,300		E36L501CPN332MEB7M	76 × 117	EB7	48	12.2	14.6	17.1
3,300		E36L501CPN332MEJ0M	76 × 180	EJ0	42	14.9	17.9	20.9
3,900		E36L501CPN392MEE3M	76 × 143	EE3	41	13.8	16.6	19.3
4,700		E36L501CPN472MEJ0M	76 × 180	EJ0	34	16.6	19.9	23.3
4,700		E36L501CPN472MEN0M	76 × 220	EN0	30	20.6	24.8	28.9
6,800		E36L501CPN682MEN0M	76 × 220	EN0	24	21.6	25.9	30.2
2,200		E36L501CPN222MF92M	89 × 92	F92	74	10.7	12.8	15.0
2,700		E36L501CPN272MFA5M	89 × 105	FA5	52	12.3	14.8	17.3
3,300		E36L501CPN332MF92M	89 × 92	F92	48	12.2	14.6	17.1
3,300		E36L501CPN332MFD0M	89 × 130	FD0	42	14.9	17.9	20.9
3,900		E36L501CPN392MFA5M	89 × 105	FA5	41	13.8	16.6	19.3
3,900		E36L501CPN392MFF5M	89 × 155	FF5	36	17.5	21.1	24.6
4,700		E36L501CPN472MFD0M	89 × 130	FD0	34	16.6	19.9	23.3

† For terminal, mounting and construction options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.



## Standard Voltage Ratings - Screw Terminals

Rated Voltage (WVDC)	Capacitance (μF)	Global Part Number†	Nominal Case Size* D × L (mm)	Case Size Code	Maximum ESR (mΩ) at +25°C, 120Hz	Rated Ripple Current (A rms) at +85°C		
						120Hz	300Hz	>3kHz
<b>500 Volts 550 Volts Surge</b>	5,600	E36L501CPN562MFE3M	89 × 143	FE3	29	18.9	22.7	26.4
	5,600	E36L501CPN562MFK0M	89 × 190	FK0	25	23.0	27.6	32.2
	6,800	E36L501CPN682MFF5M	89 × 155	FF5	24	21.6	25.9	30.2
	6,800	E36L501CPN682MFN0M	89 × 220	FN0	21	27.0	32.4	37.8
	8,200	E36L501CPN822MFK0M	89 × 190	FK0	20	25.9	31.1	36.3
	10,000	E36L501CPN103MFN0M	89 × 220	FN0	16	30.5	36.6	42.7

†For terminal, mounting and construction options, refer to the part numbering system for descriptions and codes.

\*Refer to diagram of dimensions for detailed case size specifications.