

673D/674D Series



- Small Can
- Radial Tubular
- -55°C to $+105^{\circ}\text{C}$
Extended
Temperature
Range
- Military
MIL-C-39018/09
Commercial
Equivalent



The 673D and 674D are ideal for SMPS output filter applications since they feature a low ESR, inductance and impedance at high frequencies. This military MIL-C-39018/09 commercial equivalent series is designed to meet the toughest environmental operating conditions in temperatures from -55°C to $+105^{\circ}\text{C}$. The various terminal options allow for mounting flexibility.

The 673D and 674D series capacitors are available with a standard PVC sleeve and, upon request, an optional solvent proof epoxy end-seal required for exposure to halogenated cleaning solvents. Refer to the Mini-Glossary for recommended cleaning conditions.

Summary of Specifications

- 2 and 3 radial lead configurations, and optional 3rd lead axial mount.
- Capacitance range: 27 to 27,000 μF .
- Voltage range: 6.3 to 250VDC.
- Operating temperature range: -55°C to $+105^{\circ}\text{C}$.
- Leakage current in μA : $I = K\sqrt{CV}$: $K = 0.5$ at $+25^{\circ}\text{C}$ after 5 minutes.
- Standard capacitance tolerance: -10% to $+50\%$
- Nominal case size (D \times L): 0.750" \times 1.125" to 1.000" \times 3.625"
- Rated lifetime: 2,000 hours at $+105^{\circ}\text{C}$.

673D/674D
SMALL CAN -105°C

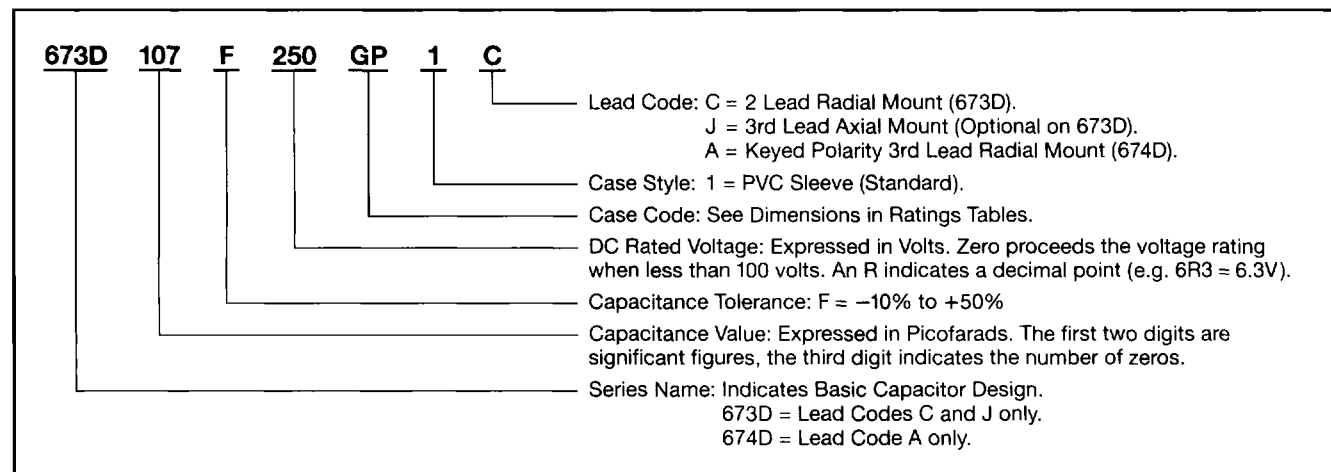
673D/674D Series

673D/674D Specifications

Item	Characteristics																	
Operating Temperature Range	-55 to +105°C																	
Rated Voltage Range	6.3 to 250VDC																	
Capacitance Range	27 to 27,000µF at +25°C, 120Hz																	
Capacitance Tolerance	-10% to +50% (F) at +25°C, 120Hz																	
Leakage Current	$I = K\sqrt{CV}$: $K = 0.5$ at +25°C after 5 minutes. Where I = Leakage current (µA), C = Nominal capacitance (µF) and V = Rated voltage (V)																	
Low Temperature Characteristics	At 120Hz, capacitance ratio $C(-55^\circ\text{C})/C(+25^\circ\text{C})$:																	
	<table border="1"> <tr> <td>DC Rated Voltage</td> <td>6.3-25V</td> <td>40-100V</td> <td>150-250V</td> </tr> <tr> <td>Capacitance Remaining</td> <td>75%</td> <td>80%</td> <td>65%</td> </tr> </table>	DC Rated Voltage	6.3-25V	40-100V	150-250V	Capacitance Remaining	75%	80%	65%									
	DC Rated Voltage	6.3-25V	40-100V	150-250V														
	Capacitance Remaining	75%	80%	65%														
At 120Hz, equivalent series resistance ratio $\text{ESR}(-55^\circ\text{C})/\text{ESR}(+25^\circ\text{C})$:																		
<table border="1"> <tr> <td>DC Rated Voltage</td> <td>0-12V</td> <td>13-40V</td> <td>41-100V</td> <td>160-250V</td> </tr> <tr> <td>Multiplier</td> <td>8</td> <td>10</td> <td>16</td> <td>100</td> </tr> </table>	DC Rated Voltage	0-12V	13-40V	41-100V	160-250V	Multiplier	8	10	16	100								
DC Rated Voltage	0-12V	13-40V	41-100V	160-250V														
Multiplier	8	10	16	100														
Ripple Current Multipliers	Ambient Temperature (°C)																	
	<table border="1"> <tr> <td>+25°C</td> <td>+45°C</td> <td>+65°C</td> <td>+85°C</td> <td>+105°C</td> </tr> <tr> <td>1.8</td> <td>1.6</td> <td>1.3</td> <td>1.0</td> <td>0.45</td> </tr> </table>	+25°C	+45°C	+65°C	+85°C	+105°C	1.8	1.6	1.3	1.0	0.45							
	+25°C	+45°C	+65°C	+85°C	+105°C													
	1.8	1.6	1.3	1.0	0.45													
Frequency (Hz)																		
<table border="1"> <tr> <td>DC Rated Voltage</td> <td>50-60Hz</td> <td>100-120Hz</td> <td>300-400Hz</td> <td>1kHz</td> <td>20kHz</td> </tr> <tr> <td>0-60V</td> <td>0.60</td> <td>0.75</td> <td>0.80</td> <td>0.90</td> <td>1.00</td> </tr> <tr> <td>61-250V</td> <td>0.43</td> <td>0.54</td> <td>0.75</td> <td>0.85</td> <td>1.00</td> </tr> </table>	DC Rated Voltage	50-60Hz	100-120Hz	300-400Hz	1kHz	20kHz	0-60V	0.60	0.75	0.80	0.90	1.00	61-250V	0.43	0.54	0.75	0.85	1.00
DC Rated Voltage	50-60Hz	100-120Hz	300-400Hz	1kHz	20kHz													
0-60V	0.60	0.75	0.80	0.90	1.00													
61-250V	0.43	0.54	0.75	0.85	1.00													
Life Validation Test	The following specifications shall be satisfied when the capacitors are restored to +25°C after subjecting them to the DC rated voltage for 2,000 hours at +105°C. Capacitance change: $\leq 15\%$ from initial measurement ESR change : $\leq 1.5 \times$ initial specified limit Leakage current : \leq initial specified limit																	
Shelf Test	The following specifications shall be satisfied when the capacitors are restored to +25°C after exposing them for 500 hours at +105°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: $\leq 10\%$ from initial measurement ESR change : $\leq 1.15 \times$ initial specified limit Leakage current : $\leq 2 \times$ initial specified limit																	

Part Numbering System for 673D/674D Series

Always specify complete catalog number for 673D/674D Series.

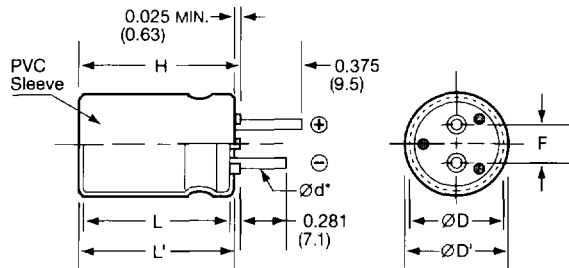


673D/674D
SMALL CAN - 105°C

673D/674D Series

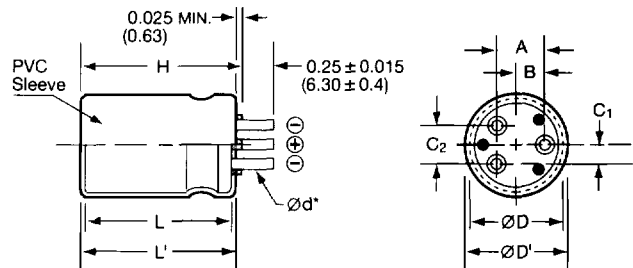
Diagram of Dimensions

C/ Radial Lead (673D)



*Solid Tinned Leads No.18 AWG

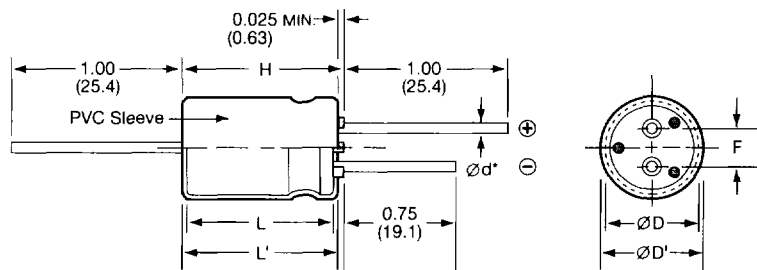
A/3rd Lead Radial (674D)



*Solid Tinned Leads No.18 AWG

Unit: inches (mm)

J/3rd Lead Axial (Optional on 673D)



*Solid Tinned Leads No.18 AWG

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Dimensions in Inches

Case Code	ØD' ±0.015 With Sleeve	L' ±0.062 With Sleeve	H Max. Overall Length	Ød Terminal Diameter	Typical Weight (ounces)
GE	0.770	1.150	1.246	0.040	0.46
GJ		1.650	1.746		0.64
GL		2.150	2.246		0.81
GP		2.650	2.746		0.99
GS		3.150	3.246		1.16
GT		3.650	3.746		1.34
HE	0.895	1.150	1.246	0.040	0.63
HJ		1.650	1.746		0.88
HL		2.150	2.246		1.09
HP		2.650	2.746		1.34
HS		3.150	3.246		1.59
HT		3.650	3.746		1.83
JE	1.020	1.150	1.246	0.040	0.81
JJ		1.650	1.746		1.13
JL		2.150	2.246		1.45
JP		2.650	2.746		1.76
JS		3.150	3.246		2.08
JT		3.650	3.746		2.40

Dimensions in Millimeters

Case Code	ØD' ±0.381 With Sleeve	L' ±1.575 With Sleeve	H Max. Overall Length	Ød Terminal Diameter	Typical Weight (grams)
GE	19.6	29.2	31.6	1.016	13
GJ		41.9	44.3		18
GL		54.6	57.0		23
GP		67.3	69.7		28
GS		80.0	82.4		33
GT		92.7	95.1		38
HE	22.7	29.2	31.6	1.016	18
HJ		41.9	44.3		25
HL		54.6	57.0		31
HP		67.3	69.7		38
HS		80.0	82.4		45
HT		92.7	95.1		52
JE	25.9	29.2	31.6	1.016	23
JJ		41.9	44.3		32
JL		54.6	57.0		41
JP		67.3	69.7		50
JS		80.0	82.4		59
JT		92.7	95.1		68

Lead Spacing in Inches

ØD Diameter	A ±0.015	B ±0.015	C1 ±0.015	C2 ±0.015	F ±0.015
0.075	0.300	0.167	0.100	0.200	0.250
0.875	0.400	0.228	0.150	0.300	0.300
1.000	0.400	0.228	0.150	0.300	0.400

Lead Spacing in Millimeters

ØD Diameter	A ±0.381	B ±0.381	C1 ±0.381	C2 ±0.381	F ±0.381
19.1	7.6	4.2	2.5	5.1	6.4
22.2	10.2	5.8	3.8	7.6	7.6
25.4	10.2	5.8	3.8	7.6	10.2

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Standard Voltage Ratings - Tubular Radial Lead

Rated Voltage (WVDC)	Capacitance (µF)	Catalog Part Number	Nominal Case Size* D x L (inches)	Maximum ESR (mΩ) at +25°C		Maximum Impedance (mΩ) at +25°C, 100kHz	Maximum Ripple Current (Arms) at +85°C 20k-40kHz
				120Hz	20k-40kHz		
6.3 Volts 9 Volts Surge	2,200	673D228F6R3GE1C	0.770 x 1.150	105.0	81.0	83.0	2.30
	4,700	673D478F6R3GJ1C	0.770 x 1.650	53.0	41.0	43.0	3.70
	6,800	673D688F6R3GL1C	0.770 x 2.150	36.0	28.0	30.0	4.95
	8,200	673D828F6R3GP1C	0.770 x 2.650	28.0	22.7	25.0	6.11
	10,000	673D109F6R3GS1C	0.770 x 3.150	23.0	19.0	21.0	7.20
	12,000	673D129F6R3GT1C	0.770 x 3.650	21.0	17.0	19.0	8.14
	3,300	673D338F6R3HE1C	0.895 x 1.150	74.0	58.0	60.0	3.00
	6,800	673D688F6R3HJ1C	0.895 x 1.650	38.0	39.0	41.0	4.73
	10,000	673D109F6R3HL1C	0.895 x 2.150	27.0	22.0	24.0	6.20
	15,000	673D159F6R3HP1C	0.895 x 2.650	21.0	17.4	19.0	7.62
	18,000	673D189F6R3HS1C	0.895 x 3.150	18.0	15.0	17.0	8.83
	22,000	673D229F6R3HT1C	0.895 x 3.650	15.8	13.3	15.0	10.10
	4,700	673D478F6R3JE1C	1.020 x 1.150	60.0	48.0	50.0	3.60
	10,000	673D109F6R3JJ1C	1.020 x 1.650	32.0	26.0	28.0	5.54
	15,000	673D159F6R3JL1C	1.020 x 2.150	22.6	18.8	21.0	7.30
	18,000	673D189F6R3JP1C	1.020 x 2.650	18.0	15.2	17.0	8.81
	22,000	673D229F6R3JS1C	1.020 x 3.150	15.4	13.0	14.0	10.20
	27,000	673D279F6R3JT1C	1.020 x 3.650	13.4	11.5	13.0	11.60
10 Volts 12 Volts Surge	1,800	673D188F010GE1C	0.770 x 1.150	123.0	89.0	91.0	2.20
	3,300	673D338F010GJ1C	0.770 x 1.650	60.0	44.0	46.0	3.56
	5,600	673D568F010GL1C	0.770 x 2.150	41.0	30.0	32.0	4.79
	6,800	673D688F010GP1C	0.770 x 2.650	31.0	24.0	26.0	5.93
	8,200	673D828F010GS1C	0.770 x 3.150	26.0	20.0	22.0	7.02
	10,000	673D109F010GT1C	0.770 x 3.650	23.0	17.8	20.0	7.97
	2,700	673D278F010HE1C	0.895 x 1.150	82.0	61.0	62.0	2.90
	5,600	673D568F010HJ1C	0.895 x 1.650	42.0	32.0	34.0	4.61
	8,200	673D828F010HL1C	0.895 x 2.150	29.6	22.0	24.0	6.11
	10,000	673D109F010HP1C	0.895 x 2.650	24.0	18.0	20.0	7.33
	12,000	673D129F010HS1C	0.895 x 3.150	19.9	15.8	17.0	8.63
	15,000	673D159F010HT1C	0.895 x 3.650	17.3	13.8	16.0	9.85
	3,900	673D398F010JE1C	1.020 x 1.150	66.6	50.0	52.0	3.47
	6,800	673D688F010JJ1C	1.020 x 1.650	34.0	26.7	29.0	5.48
	12,000	673D129F010JL1C	1.020 x 2.150	24.0	19.0	21.0	7.18
	15,000	673D159F010JP1C	1.020 x 2.650	19.2	15.0	17.0	8.72
	18,000	673D189F010JS1C	1.020 x 3.150	16.0	13.0	15.0	10.20
	22,000	673D229F010JT1C	1.020 x 3.650	14.3	11.8	14.0	11.50
16 Volts 20 Volts Surge	1,200	673D128F016GE1C	0.770 x 1.150	129.0	83.0	85.0	2.24
	2,700	673D278F016GJ1C	0.770 x 1.650	65.0	43.0	45.0	3.62
	3,900	673D398F016GL1C	0.770 x 2.150	44.0	30.0	32.0	4.84
	5,600	673D568F016GP1C	0.770 x 2.650	34.0	23.5	26.0	6.01
	6,800	673D688F016GS1C	0.770 x 3.150	28.0	19.7	23.0	7.09
	8,200	673D828F016GT1C	0.770 x 3.650	24.0	17.0	21.0	8.16
	2,200	673D228F016HE1C	0.895 x 1.150	89.0	59.0	61.0	2.93
	3,900	673D398F016HJ1C	0.895 x 1.650	45.0	31.6	34.0	4.64
	5,600	673D568F016HL1C	0.895 x 2.150	31.6	22.4	25.0	6.14
	8,200	673D828F016HP1C	0.895 x 2.650	24.7	17.9	20.0	7.51
	10,000	673D109F016HS1C	0.895 x 3.150	20.7	15.2	18.0	8.79
	12,000	673D129F016HT1C	0.895 x 3.650	18.0	13.6	17.0	9.93
	2,700	673D278F016JE1C	1.020 x 1.150	71.0	50.0	52.0	3.49
	5,600	673D568F016JJ1C	1.020 x 1.650	36.7	26.7	29.0	5.48
	8,200	673D828F016JL1C	1.020 x 2.150	26.0	19.2	22.0	7.18
	12,000	673D129F016JP1C	1.020 x 2.650	20.5	15.4	19.0	8.75
	15,000	673D159F016JS1C	1.020 x 3.150	17.4	13.3	17.0	10.20
	18,000	673D189F016JT1C	1.020 x 3.650	15.3	11.8	17.0	11.50

*The case sizes in table are with sleeve.

673D/674D
SMALL CAN - 105°C

673D/674D Series

Standard Voltage Ratings - Tubular Radial Lead

Rated Voltage (WVDC)	Capacitance (µF)	Catalog Part Number	Nominal Case Size* D × L (inches)	Maximum ESR (mΩ) at +25°C		Maximum Impedance (mΩ) at +25°C, 100kHz	Maximum Ripple Current (Arms) at +85°C 20k-40kHz
				120Hz	20k-40kHz		
25 Volts 35 Volts Surge	820	673D827F025GE1C	0.770 × 1.150	143.0	85.0	88.0	2.23
	1,500	673D158F025GJ1C	0.770 × 1.650	73.0	44.0	47.0	3.56
	2,200	673D228F025GL1C	0.770 × 2.150	49.0	30.5	33.0	4.82
	3,300	673D338F025GP1C	0.770 × 2.650	37.0	23.9	27.0	5.96
	3,900	673D398F025GS1C	0.770 × 3.150	31.0	20.0	23.0	7.00
	4,700	673D478F025GT1C	0.770 × 3.650	26.7	17.5	21.0	8.04
	1,200	673D128F025HE1C	0.895 × 1.150	101.0	62.9	66.0	2.86
	2,700	673D278F025HJ1C	0.895 × 1.650	50.0	32.0	35.0	4.61
	3,900	673D398F025HL1C	0.895 × 2.150	35.0	22.9	26.0	6.08
	4,700	673D478F025HP1C	0.895 × 2.650	27.0	18.0	21.0	7.47
	6,800	673D688F025HS1C	0.895 × 3.150	22.7	15.4	19.0	8.74
	8,200	673D828F025HT1C	0.895 × 3.650	19.6	13.6	17.0	9.93
	1,800	673D188F025JE1C	1.020 × 1.150	79.0	51.0	53.0	3.45
	3,900	673D398F025JJ1C	1.020 × 1.650	40.0	26.9	30.0	5.46
	5,600	673D568F025JL1C	1.020 × 2.150	28.0	19.0	22.0	7.14
	6,800	673D688F025JP1C	1.020 × 2.650	22.0	15.7	19.0	8.66
8,200	673D828F025JS1C	1.020 × 3.150	18.7	13.5	17.0	10.10	
10,000	673D109F025JT1C	1.020 × 3.650	16.4	12.0	15.0	11.40	
35 Volts 45 Volts Surge	560	673D567F035GE1C	0.770 × 1.150	191.0	86.0	89.0	2.22
	1,000	673D108F035GJ1C	0.770 × 1.650	94.0	47.0	67.0	3.57
	1,500	673D158F035GL1C	0.770 × 2.150	64.0	32.0	30.0	4.80
	1,800	673D188F035GP1C	0.770 × 2.650	49.0	25.0	27.0	5.92
	2,200	673D228F035GS1C	0.770 × 3.150	40.0	21.0	30.0	7.00
	2,700	673D278F035GT1C	0.770 × 3.650	34.8	18.6	21.0	8.02
	680	673D687F035HE1C	0.895 × 1.150	130.0	64.0	62.0	3.00
	1,500	673D158F035HJ1C	0.895 × 1.650	67.0	33.0	36.0	4.54
	2,200	673D228F035HL1C	0.895 × 2.150	45.0	23.0	26.0	6.05
	3,300	673D338F035HP1C	0.895 × 2.650	34.0	18.4	22.0	7.41
	3,900	673D398F035HS1C	0.895 × 3.150	29.0	16.8	19.0	8.63
	4,700	673D478F035HT1C	0.895 × 3.650	25.8	14.8	17.0	9.85
	1,000	673D108F035JE1C	1.020 × 1.150	105.0	53.0	55.0	3.41
	2,200	673D228F035JJ1C	1.020 × 1.650	51.7	28.0	30.0	5.42
	2,700	673D278F035JL1C	1.020 × 2.150	36.0	20.0	23.0	7.49
	3,900	673D398F035JP1C	1.020 × 2.650	28.7	16.0	19.0	8.90
4,700	673D478F035JS1C	1.020 × 3.150	23.8	13.0	17.0	10.60	
5,600	673D568F035JT1C	1.020 × 3.650	20.3	12.0	16.0	11.40	
50 Volts 75 Volts Surge	390	673D397F050GE1C	0.770 × 1.150	212.0	86.0	89.0	2.21
	820	673D827F050GJ1C	0.770 × 1.650	105.0	44.0	47.0	3.57
	1,200	673D128F050GL1C	0.770 × 2.150	74.0	32.0	35.0	4.70
	1,500	673D158F050GP1C	0.770 × 2.650	56.0	25.0	27.0	5.83
	1,800	673D188F050GS1C	0.770 × 3.150	44.0	20.0	23.0	7.00
	2,200	673D228F050GT1C	0.770 × 3.650	37.7	17.7	21.0	8.00
	560	673D567F050HE1C	0.895 × 1.150	145.0	59.0	62.0	2.87
	1,200	673D128F050HJ1C	0.895 × 1.650	76.0	34.0	37.0	4.46
	1,800	673D188F050HL1C	0.895 × 2.150	50.0	23.3	26.0	6.02
	2,200	673D228F050HP1C	0.895 × 2.650	39.0	18.7	22.0	7.35
	2,700	673D278F050HS1C	0.895 × 3.150	31.4	15.7	19.0	8.65
	3,300	673D338F050HT1C	0.895 × 3.650	27.0	13.9	17.0	9.82
	820	673D827F050JE1C	1.020 × 1.150	112.0	51.4	54.0	3.45
	1,500	673D158F050JJ1C	1.020 × 1.650	58.0	27.8	31.0	5.37
	2,200	673D228F050JL1C	1.020 × 2.150	39.0	19.7	23.0	7.09
	3,300	673D338F050JP1C	1.020 × 2.650	30.0	15.9	20.0	8.61
3,900	673D398F050JS1C	1.020 × 3.150	25.0	13.6	18.0	10.10	
4,700	673D478F050JT1C	1.020 × 3.650	21.6	12.0	16.0	11.40	

*The case sizes in table are with sleeve.

673D/674D
SMALL CAN - 105°C

673D/674D Series

Standard Voltage Ratings - Tubular Radial Lead

Rated Voltage (WVDC)	Capacitance (µF)	Catalog Part Number	Nominal Case Size* D x L (inches)	Maximum ESR (mΩ) at +25°C		Maximum Impedance (mΩ) at +25°C, 100kHz	Maximum Ripple Current (Arms) at +85°C 20k-40kHz
				120Hz	20k-40kHz		
63 Volts 85 Volts Surge	330	673D337F063GE1C	0.770 x 1.150	236.0	89.0	93.0	2.13
	680	673D687F063GJ1C	0.770 x 1.650	117.0	47.0	50.0	3.44
	1,000	673D108F063GL1C	0.770 x 2.150	79.0	33.3	36.0	4.61
	1,200	673D128F063GP1C	0.770 x 2.650	63.0	27.0	30.0	5.61
	1,800	673D188F063GS1C	0.770 x 3.150	49.9	22.0	25.0	6.71
	2,200	673D228F063GT1C	0.770 x 3.650	41.7	18.9	22.0	7.74
	560	673D567F063HE1C	0.895 x 1.150	159.0	66.0	69.0	2.79
	1,000	673D108F063HJ1C	0.895 x 1.650	82.0	35.4	38.0	4.38
	1,500	673D158F063HL1C	0.895 x 2.150	54.0	24.5	28.0	5.87
	2,200	673D228F063HP1C	0.895 x 2.650	41.0	19.3	22.0	7.24
	2,700	673D278F063HS1C	0.895 x 3.150	34.6	16.6	20.0	8.42
	3,300	673D338F063HT1C	0.895 x 3.650	29.0	14.5	18.0	9.61
	680	673D687F063JE1C	1.020 x 1.150	122.0	51.0	54.0	3.70
	1,500	673D158F063JJ1C	1.020 x 1.650	63.0	28.0	31.0	5.54
	2,200	673D228F063JL1C	1.020 x 2.150	42.0	20.6	24.0	6.93
	2,700	673D278F063JP1C	1.020 x 2.650	32.9	16.5	20.0	8.45
	3,900	673D398F063JS1C	1.020 x 3.150	27.0	14.0	18.0	9.85
	4,700	673D478F063JT1C	1.020 x 3.650	23.3	12.4	16.0	11.20
100 Volts 125 Volts Surge	150	673D157F100GE1C	0.770 x 1.150	698.0	324.0	326.0	1.14
	270	673D277F100GJ1C	0.770 x 1.650	329.0	154.0	156.0	1.92
	390	673D397F100GL1C	0.770 x 2.150	221.0	104.0	106.0	2.60
	560	673D567F100GP1C	0.770 x 2.650	164.0	78.0	80.0	3.39
	680	673D687F100GS1C	0.770 x 3.150	131.0	63.0	65.0	3.96
	820	673D827F100GT1C	0.770 x 3.650	110.0	53.0	54.0	4.60
	220	673D227F100HE1C	0.895 x 1.150	452.0	212.0	215.0	1.55
	390	673D397F100HJ1C	0.895 x 1.650	216.0	103.0	106.0	2.57
	680	673D687F100HL1C	0.895 x 2.150	143.0	69.0	71.0	3.49
	820	673D827F100HP1C	0.895 x 2.650	107.0	52.0	53.0	4.37
	1,000	673D108F100HS1C	0.895 x 3.150	89.0	44.0	45.0	5.15
	1,200	673D128F100HT1C	0.895 x 3.650	76.0	38.0	39.0	5.93
	270	673D277F100JE1C	1.020 x 1.150	337.0	162.0	163.0	1.95
	560	673D567F100JJ1C	1.020 x 1.650	163.0	79.0	81.0	3.17
	820	673D827F100JL1C	1.020 x 2.150	109.0	54.0	55.0	4.27
	1,200	673D128F100JP1C	1.020 x 2.650	83.0	42.0	43.0	5.28
	1,500	673D158F100JS1C	1.020 x 3.150	67.0	34.0	35.0	6.29
	1,800	673D188F100JT1C	1.020 x 3.650	57.0	29.5	31.0	7.26
160 Volts 200 Volts Surge	56	673D566F160GE1C	0.770 x 1.150	1,733.0	881.0	895.0	0.69
	100	673D107F160GJ1C	0.770 x 1.650	886.0	450.0	460.0	1.12
	180	673D187F160GL1C	0.770 x 2.150	569.0	290.0	297.0	1.56
	220	673D227F160GP1C	0.770 x 2.650	419.0	215.0	220.0	1.99
	330	673D337F160GS1C	0.770 x 3.150	333.0	170.0	175.0	2.41
	390	673D397F160GT1C	0.770 x 3.650	276.0	141.0	148.0	2.83
	82	673D826F160HE1C	0.895 x 1.150	1,152.0	588.0	592.0	0.93
	180	673D187F160HJ1C	0.895 x 1.650	579.0	296.0	300.0	1.51
	270	673D277F160HL1C	0.895 x 2.150	376.0	193.0	198.0	2.09
	390	673D397F160HP1C	0.895 x 2.650	279.0	143.0	148.0	2.66
	470	673D477F160HS1C	0.895 x 3.150	222.0	115.0	120.0	3.19
	560	673D567F160HT1C	0.895 x 3.650	185.0	96.0	100.0	3.74
	120	673D127F160JE1C	1.020 x 1.150	852.0	438.0	445.0	1.18
	270	673D277F160JJ1C	1.020 x 1.650	415.0	214.0	220.0	1.94
	390	673D397F160JL1C	1.020 x 2.150	275.0	142.0	148.0	2.64
	470	673D477F160JP1C	1.020 x 2.650	202.0	105.0	108.0	3.35
	560	673D567F160JS1C	1.020 x 3.150	163.0	84.0	88.0	4.03
	680	673D687F160JT1C	1.020 x 3.650	137.0	71.0	74.0	4.69

*The case sizes in table are with sleeve.

673D/674D
SMALL CAN - 105°C

673D/674D Series

Standard Voltage Ratings - Tubular Radial Lead

Rated Voltage (WVDC)	Capacitance (µF)	Catalog Part Number	Nominal Case Size* D × L (inches)	Maximum ESR (mΩ) at +25°C		Maximum Impedance (mΩ) at +25°C, 100kHz	Maximum Ripple Current (Arms) at +85°C 20k-40kHz
				120Hz	20k-40kHz		
200 Volts 250 Volts Surge	39	673D396F200GE1C	0.770 × 1.150	2,290.0	1,000.0	1,040.0	0.65
	82	673D826F200GJ1C	0.770 × 1.650	1,110.0	484.0	490.0	1.08
	100	673D107F200GL1C	0.770 × 2.150	762.0	337.0	341.0	1.45
	150	673D157F200GP1C	0.770 × 2.650	557.0	246.0	250.0	1.86
	180	673D187F200GS1C	0.770 × 3.150	439.0	195.0	200.0	2.25
	220	673D227F200GT1C	0.770 × 3.650	363.0	161.0	168.0	2.65
	56	673D566F200HE1C	0.895 × 1.150	1,510.0	670.0	680.0	0.87
	100	673D107F200HJ1C	0.895 × 1.650	775.0	343.0	348.0	1.41
	180	673D187F200HL1C	0.895 × 2.150	498.0	221.0	230.0	1.96
	220	673D227F200HP1C	0.895 × 2.650	367.0	163.0	168.0	2.49
	270	673D277F200HS1C	0.895 × 3.150	291.0	130.0	135.0	3.01
	330	673D337F200HT1C	0.895 × 3.650	242.0	108.0	112.0	3.53
	82	673D826F200JE1C	1.020 × 1.150	1,090.0	486.0	492.0	1.13
	150	673D157F200JJ1C	1.020 × 1.650	528.0	240.0	246.0	1.83
	220	673D227F200JL1C	1.020 × 2.150	356.0	160.0	168.0	2.49
	330	673D337F200JP1C	1.020 × 2.650	267.0	120.0	124.0	3.13
	390	673D397F200JS1C	1.020 × 3.150	214.0	97.0	101.0	3.76
470	673D477F200JT1C	1.020 × 3.650	179.0	80.0	84.0	4.42	
250 Volts 300 Volts Surge	27	673D276F250GE1C	0.770 × 1.150	2,400.0	700.0	710.0	0.77
	56	673D566F250GJ1C	0.770 × 1.650	1,147.0	338.0	348.0	1.29
	82	673D826F250GL1C	0.770 × 2.150	754.0	232.0	240.0	1.77
	100	673D107F250GP1C	0.770 × 2.650	587.0	178.0	186.0	2.19
	150	673D157F250GS1C	0.770 × 3.150	461.0	137.0	143.0	2.67
	180	673D187F250GT1C	0.770 × 3.650	379.0	117.0	122.0	3.13
	39	673D396F250HE1C	0.895 × 1.150	1,579.0	467.0	476.0	1.05
	82	673D826F250HJ1C	0.895 × 1.650	766.0	237.0	246.0	1.72
	120	673D127F250HL1C	0.895 × 2.150	503.0	158.0	166.0	2.35
	180	673D187F250HP1C	0.895 × 2.650	383.0	119.0	125.0	2.94
	220	673D227F250HS1C	0.895 × 3.150	310.0	92.0	97.0	3.51
	270	673D277F250HT1C	0.895 × 3.650	251.0	78.0	83.0	4.15
	56	673D566F250JE1C	1.020 × 1.150	1,140.0	345.0	354.0	1.33
	120	673D127F250JJ1C	1.020 × 1.650	554.0	243.0	252.0	2.17
	180	673D187F250JL1C	1.020 × 2.150	367.0	116.0	122.0	2.95
	220	673D227F250JP1C	1.020 × 2.650	275.0	87.0	91.0	3.71
	270	673D277F250JS1C	1.020 × 3.150	220.0	69.0	74.0	4.44
330	673D337F250JT1C	1.020 × 3.650	184.0	58.0	63.0	5.16	

*The case sizes in table are with sleeve.

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SMALL CAN - 105°C