ESC, +105°C



Overview

The KEMET ESC radial aluminum electrolytic capacitors are designed for low impedance and high frequency applications.

Applications

Typical applications include high frequency switch mode circuits.

Benefits

- · Low impedance
- 1,000 3,000 hour operating life
- Operating temperature of up to 105°C
- Case with \emptyset D \geq 5 mm
- · Safety vent on the capacitor base



Part Number System

ESC	157	M	6R3		A	C3	AA
Series	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)		Electrical Parameters	Size Code	Packaging
Radial Aluminum Electrolytic	First two digits represent significant figures for capacitance values. Last digit specifies the number of zeros to be added.	M = ±20%	6R3 = 6.3 010 = 10 016 = 16 025 = 25	035 = 35 050 = 50 063 = 63 100 = 100	A = Standard	See Dimension Table	See Ordering Options Table



Table 1 - Ratings & Part Number Reference

VDC	VDC Surge	Capacitance						
VDC	Surge	Capacitance	Case Size	120 Hz	Z	RC	LC 20°C	
		120 Hz 20°C	D x L (mm)	20°C	100 kHz	100 kHz	2 Minutes	Part Number
	Voltage	(μF)	D X L (IIIII)	(tan δ %) ¹	20°C (Ω)	105°C (mA)	(μΑ)	
6.3	8	150	5 x 11	22	0.420	200	9.5	ESC157M6R3AC3(1)
6.3	8	220	6.3 x 11	22	0.320	250	13.9	ESC227M6R3AE3(1)
6.3	8	270	6.3 x 11	22	0.220	250	17.0	ESC277M6R3AE3(1)
6.3	8	330	6.3 x 11	22	0.230	250	20.8	ESC337M6R3AE3(1)
6.3	8	330 470	8 x 11 *6.3 x 11	22 22	0.180 0.180	400 440	20.8 29.6	ESC337M6R3AG3(1)
6.3	8	470	8 x 11	22	0.140	550	29.6	ESC477M6R3AE3(1) ESC477M6R3AG3(1)
6.3	8	680	*8 x 11	22	0.120	580	42.8	ESC687M6R3AG3(1)
6.3	8	680	8 x 15	22	0.100	700	42.8	ESC687M6R3AG4(1)
6.3	8	820	8 x 20	22	0.085	750	51.7	ESC827M6R3AG6(1)
6.3	8	1,000	*8 x 11	22	0.150	580	63.0	ESC108M6R3AG3(1)
6.3	8	1,000	8 x 15	22	0.085	700	63.0	ESC108M6R3AG4(1)
6.3	8	1,000	8 x 20	22	0.069	800	63.0	ESC108M6R3AG6(1)
6.3	8	1,000	10 x 12.5	22	0.080	690	63.0	ESC108M6R3AH9(1)
6.3	8	1,200	10 x 16	22	0.064	1,000	75.6	ESC128M6R3AH8(1)
6.3	8	1,500	*8 x 15	22	0.085	980	94.5	ESC158M6R3AG4(1)
6.3	8 8	1,500	8 x 20	22 22	0.051	800	94.5 94.5	ESC158M6R3AG6(1)
6.3 6.3	8	1,500 1,500	*10 x 16 10 x 20	22	0.055 0.044	1,070 1,250	94.5	ESC158M6R3AH8(1) ESC158M6R3AH4(1)
6.3	8	2,200	*10 x 20	22	0.051	1,220	138.6	ESC228M6R3AH4(1)
6.3	8	2,200	*10 x 25	22	0.048	1,310	138.6	ESC228M6R3AH5(1)
6.3	8	2,200	13 x 20	22	0.043	1,450	138.6	ESC228M6R3AL3(1)
6.3	8	3,300	*10 x 25	22	0.043	1,400	207.9	ESC338M6R3AH5(1)
6.3	8	3,300	13 x 25	22	0.035	1,700	207.9	ESC338M6R3AL4(1)
6.3	8	3,900	13 x 25	22	0.032	1,750	245.7	ESC398M6R3AL4(1)
6.3	8	4,700	*13 x 25	22	0.032	1,520	296.1	ESC478M6R3AL4(1)
6.3	8	4,700	*13 x 30	22	0.033	1,570	296.1	ESC478M6R3AL8(1)
6.3	8	4,700	16 x 25	22	0.028	1,800	296.1	ESC478M6R3AM7(1)
6.3	8	6,800	16 x 32	22	0.024	2,000	428.4	ESC688M6R3AM2(1)
6.3	8	8,200	16 x 32	22	0.019	2,350	516.6	ESC828M6R3AM2(1)
6.3	8 8	10,000	16 x 36	22 22	0.019	2,550	630.0 945.0	ESC109M6R3AM3(1)
6.3 10	13	15,000 100	18 x 36 5 x 11	22 19	0.019 0.420	3,000 150	10.0	ESC159M6R3AN2(1) ESC107M010AC3(1)
10	13	120	5 x 11	19	0.370	200	12.0	ESC127M010AC3(1)
10	13	150	6.3 x 11	19	0.320	250	15.0	ESC157M010AE3(1)
10	13	220	6.3 x 11	19	0.220	300	22.0	ESC227M010AE3(1)
10	13	330	8 x 11	19	0.140	550	33.0	ESC337M010AG3(1)
10	13	470	8 x 11	19	0.120	550	47.0	ESC477M010AG3(1)
10	13	470	8 x 15	19	0.100	750	47.0	ESC477M010AG4(1)
10	13	680	*8 x 11	19	0.110	640	68.0	ESC687M010AG3(1)
10	13	680	10 x 12.5	19	0.085	800	68.0	ESC687M010AH9(1)
10	13	820	10 x 16	19	0.064	1050	82.0	ESC827M010AH8(1)
10	13	1,000	8 x 20	19	0.065	1080	100.0	ESC108M010AG6(1)
10	13 13	1,000	*10 x 12.5	19 19	0.075	930	100.0	ESC108M010AH9(1)
10 10	13	1,000 1,000	10 x 16 10 x 20	19 19	0.085 0.050	990 1,100	100.0 100.0	ESC108M010AH8(1) ESC108M010AH4(1)
10	13	1,200	10 x 20	19	0.044	1,100	120.0	ESC128M010AH4(1)
10	13	1,500	10 x 20	19	0.039	1,450	150.0	ESC158M010AH4(1)
10	13	2,200	*10 x 20	19	0.047	1,330	220.0	ESC228M010AH4(1)
10	13	2,200	*10 x 25	19	0.039	1,450	220.0	ESC228M010AH5(1)
10	13	2,200	13 x 20	19	0.038	1,600	220.0	ESC228M010AL3(1)
10	13	3,300	*10 x 30	19	0.032	2,000	330.0	ESC338M010AH6(1)
10	13	3,300	13 x 25	19	0.028	2,000	330.0	ESC338M010AL4(1)
10	13	4,700	*13 x 25	19	0.028	1,860	470.0	ESC478M010AL4(1)
10	13	4,700	16 x 25	19	0.024	2,200	470.0	ESC478M010AM7(1)
10	13	6,800	16 x 36	19	0.019	2,550	680.0	ESC688M010AM3(1)
VDC	VDC Surge	Rated Capacitance	Case Size	DF	Z	RC	LC	Part Number

⁽¹⁾ Insert packaging code. See Ordering Options Table for available options.

 $^{^1}$ When capacitance exceeds 1,000 μF , the DF value (%) is increased by 2% for every additional 1,000 μF .

^{*} Dimension is down size, Endurance will be less 1,000 hours than standard.



Table 1 - Ratings & Part Number Reference cont.

VDC Surge Capacitance Capacitance Cupt			Rated		DF				
Voltage		VDC		Caco Sizo		Z	RC	LC 20°C	
10 12 12 12 12 13 16 19 10 10 10 10 10 10 10	VDC	Surge				100 kHz	100 kHz	2 Minutes	Part Number
10 13 8,200 18 x 36 19 0.019 2,800 ESC22M010A 16 20 56 5 x 11 16 0.630 100 9.0 ESC56M016A 16 20 100 5 x 11 16 0.370 200 16.0 ESC56M016A 16 20 120 6.3 x 11 16 0.370 200 16.0 ESC167M016A 16 20 120 6.3 x 11 16 0.370 200 16.0 ESC167M016A 16 20 120 6.3 x 11 16 0.370 200 200 24.0 ESC177M016A 16 20 200 8 x 11 16 0.140 550 35.2 ESC277M016A 16 20 200 8 x 11 16 0.140 550 35.2 ESC277M016A 16 20 330 8 x 11 16 0.140 550 35.2 ESC277M016A 16 20 330 8 x 11 16 0.140 550 35.2 ESC377M16A 16 20 330 8 x 15 16 0.080 688 688 68037M016A 16 20 470 8 x 15 16 0.080 688 688 68037M016A 16 20 470 8 x 15 16 0.080 688 68037M016A 16 20 470 10 x 17.5 16 0.085 800 75.2 ESC477M016A 16 20 680 10 x 16 16 0.093 750 75.2 ESC477M016A 16 20 680 10 x 16 16 0.044 1.100 131.2 ESC27M016A 16 20 820 10 x 20 16 0.044 1.100 131.2 ESC27M016A 16 20 1.000 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.042 1.310 192.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.200 10 x 20 16 0.043 1.140 160.0 ESC108M016A 16 20 1.20		Voltage		υχL (mm)		20°C (Ω)	105°C (mA)	(µA)	
16		301090	(µF)		,		100 0 (1111)	(17	
16									ESC828M010AN2(1)
16									l ' '
16									ESC107M016AC3(1)
16									ESC127M016AE3(1)
16									ESC157M016AE3(1)
16	16		220	8 x 11		0.140			ESC227M016AG3(1)
16									ESC337M016AG3(1)
16									ESC337M016AG4(1)
16									ESC337M016AH9(1)
16									1
16									1
16									ESC827M016AH4(1)
16							·		ESC108M016AH8(1)
16	16	20					· ·		ESC108M016AH4(1)
16									ESC128M016AH5(1)
16									ESC128M016AL3(1)
16							·		ESC158M016AH4(1)
16			· ·						l ' '
16									1
16									ESC228M016AL4(1)
16									ESC338M016AL7(1)
16							·		ESC338M016AM7(1)
25 32 10 5 x11 14 0.550 50 3.0 ESC106M025A 25 32 56 5 x11 14 0.450 150 11.8 ESC476M025A 25 32 68 6.3 x11 14 0.200 150 17.0 ESC686M025A 25 32 100 6.3 x11 14 0.200 300 30.0 ESC107M025A 25 32 150 8 x11 14 0.200 300 30.0 ESC107M025A 25 32 150 8 x11 14 0.200 300 30.0 ESC127M025A 25 32 150 8 x11 14 0.200 300 30.0 ESC127M025A 25 32 150 8 x11 14 0.140 550 37.5 ESC157M025A 25 32 20 8 x15 14 0.140 550 37.5 ESC157M025A 25 32 20 8 x15 14 0.100 750 55.0 ESC227M025A 25 32 330 8 x20 14 0.069 800 82.5 ESC337M025A 25 32 330 8 x20 14 0.069 800 82.5 ESC337M025A 25 32 330 8 x20 14 0.069 800 82.5 ESC337M025A 25 32 330 10 x16 14 0.066 900 82.5 ESC337M025A 25 32 470 8 x20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x16 14 0.066 1050 117.5 ESC477M025A 25 32 470 10 x16 14 0.066 1050 117.5 ESC477M025A 25 32 470 10 x16 14 0.066 170 117.5 ESC477M025A 25 32 470 10 x16 14 0.066 170 117.5 ESC477M025A 25 32 470 10 x16 14 0.066 170 117.5 ESC477M025A 25 32 470 10 x16 14 0.066 170 117.5 ESC477M025A 25 32 470 10 x16 14 0.086 760 117.5 ESC477M025A 25 32 470 10 x12.5 14 0.086 760 117.5 ESC477M025A 25 32 470 10 x12.5 14 0.086 760 117.5 ESC477M025A 25 32 820 10 x20 14 0.039 1,100 170.0 ESC687M025A 25 32 1,000 *10 x20 14 0.039 1,100 170.0 ESC687M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x20 1	16	20	4,700	16 x 36	16	0.019	2,550	752.0	ESC478M016AM3(1)
25 32 47 5x11 14 0.450 150 11.8 ESC36M025A 25 32 56 5x11 14 0.420 150 14.0 ESC56M025A 25 32 100 6.3x11 14 0.220 250 25.0 ESC107M025A 25 32 120 8x11 14 0.200 300 30.0 ESC127M025A 25 32 120 8x11 14 0.140 550 37.5 ESC15TM025A 25 32 220 8x11 14 0.120 550 55.0 ESC227M025A 25 32 220 8x15 14 0.100 750 55.0 ESC227M025A 25 32 330 *8x15 14 0.100 750 55.0 ESC227M025A 25 32 330 *8x20 14 0.06 82.5 ESC337M025A 25 32 330 10x16 14									ESC688M016AN2(1)
25 32 56 5x11 14 0.420 150 14.0 ESC566M025A 25 32 68 6.3x11 14 0.370 200 17.0 ESC666M025A 25 32 100 6.3x11 14 0.220 250 25.0 ESC167M025A 25 32 120 8x11 14 0.200 300 30.0 30.0 ESC127M025A 25 32 150 8x11 14 0.140 550 37.5 ESC157M025A 25 32 20 8x15 14 0.100 750 55.0 ESC27M025A 25 32 32 330 8x15 14 0.100 750 55.0 ESC27M025A 25 32 330 8x15 14 0.100 660 82.5 ESC337M025A 25 32 330 8x20 14 0.069 800 82.5 ESC337M025A 25 32 330 10x16 14 0.069 800 82.5 ESC337M025A 25 32 330 10x16 14 0.066 900 82.5 ESC337M025A 25 32 470 8x20 14 0.066 900 82.5 ESC337M025A 25 32 470 10x16 14 0.066 900 117.5 ESC477M025A 25 32 470 10x16 14 0.066 17.5 ESC47M025A 25 32 470 10x12.5 14 0.064 1050 117.5 ESC477M025A 25 32 470 10x12.5 14 0.066 760 117.5 ESC477M025A 25 32 470 10x12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10x20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10x20 14 0.039 1,250 205.0 ESC28M025A 25 32 1,000 *10x20 14 0.039 1,250 205.0 ESC68M025A 25 32 1,000 *10x20 14 0.039 1,500 250.0 ESC108M025A 25 32 1,000 *10x20 14 0.039 1,500 250.0 ESC108M025A 25 32 1,000 *10x20 14 0.039 1,500 250.0 ESC108M025A 25 32 1,000 *10x20 14 0.039 1,500 250.0 ESC108M025A 25 32 1,000 13x20 14 0.039 1,500 375.0 ESC18M025A 25 32 1,000 *10x20 14 0.039 1,500 300.0 ESC108M025A 25 32 1,000 *13x20 14 0.039 1,500 300.0 ESC108M025A 25 32 1,000 13x20 14 0.039 1,500 375.0 ESC108M025A 25 32 1,000 13x20 14 0.032 1,500 375.0 ESC108M025A 25 32 1,500 16x25 14 0.032 1,500 375.0 ESC108M025A 25 32 1,500 16x25 14 0.032 1,500 375.0 ESC108M025A 25 32 1,500 16x25 14 0.029 1,810 550.0 ESC108M025A 25 32 1,500 16x25 14 0.029 1,810 550.0 ESC28M025A 25 32 1,500 16x25 14 0.029 1,810 550.0 ESC28M025A 25 32 1,500 16x25 14 0.029 1,810 550.0 ESC28M025A 25 32 1,500 16x32 14 0.029 1,810 550.0 ESC28M025A 25 32 1,500 16x32 14 0.029 1,810 550.0 ESC28M025A 25 32 1,500 16x32 14 0.029 1,810 550.0 ESC28M025A 25 32 1,500 16x32 14 0.029 1,810 550.0 ESC28M025A 25 32 3,300 *18x36 14 0.019 2,550 825.0 ESC38M025A 25 32 3,300 18x36 14 0.019 2,550 825.0 ESC38M025A 25 32 3,300 18x36 14 0.019 2,550 825.0 ESC38M									ESC106M025AC3(1)
25 32 68 6.3 x 11 14 0.370 200 17.0 ESC686M0256 25 32 100 6.3 x 11 14 0.220 250 25.0 ESC107M025A 25 32 120 8 x 11 14 0.140 550 37.5 ESC157M025A 25 32 220 8 x 11 14 0.120 550 35.0 ESC227M025A 25 32 220 8 x 15 14 0.100 750 55.0 ESC227M025A 25 32 330 *8 x 15 14 0.100 750 55.0 ESC337M025A 25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 10 x 16 14 0.069 800 82.5 ESC337M025A 25 32 470 10 x 16 14 0.067 800 117.5 ESC477M025A 25 32 470 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ESC476M025AC3(1)</td>									ESC476M025AC3(1)
25 32 100 6.3 x 11 14 0.220 250 25.0 ESC107M025A 25 32 120 8 x 11 14 0.200 300 30.0 ESC127M025A 25 32 150 8 x 11 14 0.140 550 37.5 ESC157M025A 25 32 220 8 x 11 14 0.120 550 55.0 ESC227M025A 25 32 220 8 x 15 14 0.100 750 55.0 ESC227M025A 25 32 330 *8 x 15 14 0.100 750 55.0 ESC227M025A 25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 470 8 x 20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 16 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 820 10 x 20 14 0.086 760 117.5 ESC477M025A 25 32 820 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 13 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 13 x 25 14 0.032 1,660 550.0 ESC128M025A 25 32 1,500 16 x 25 14 0.032 1,660 550.0 ESC128M025A 25 32 2,200 *16 x 32 14 0.024 2,200 550.0 ESC128M025A 25 32 2,200 *16 x 32 14 0.039 1,250 2,200 550.0 ESC228M025A 25 32 2,200 *16 x 32 14 0.039 1,250 2,250 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,550									1
25 32 120 8 x 11 14 0.200 300 30.0 ESC127M025A 25 32 150 8 x 11 14 0.140 550 37.5 ESC157M025A 25 32 220 8 x 11 14 0.120 550 55.0 ESC227M025A 25 32 220 8 x 15 14 0.100 750 55.0 ESC227M025A 25 32 330 *8 x 15 14 0.100 750 55.0 ESC227M025A 25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 470 8 x 20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 16 14 0.064 1050 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC18M025A 25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC18M025A 25 32 1,000 *13 x 20 14 0.032 1,750 375.0 ESC18M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC18M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC18M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC18M025A 25 32 2,200 *13 x 25 14 0.032 1,750 375.0 ESC18M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 32 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 *16 x 32 14 0.032 1,660 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550									ESC107M025AE3(1)
25 32 150 8 x 11 14 0.140 550 37.5 ESC157M025A 25 32 220 8 x 15 14 0.100 750 55.0 ESC27M025A 25 32 230 *8 x 15 14 0.100 750 55.0 ESC27M025A 25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 470 8 x 20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 16 14 0.064 1050 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.036 760 117.5 ESC477M025A 25 32									ESC127M025AG3(1)
25 32 20 8 x 15 14 0.100 750 55.0 ESC227M025A 25 32 330 *8 x 15 14 0.100 660 82.5 ESC337M025A 25 32 330 8 x 20 14 0.669 800 82.5 ESC337M025A 25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 470 8 x 20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 16 14 0.064 1050 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.042 1,310 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC128M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC128M025A 25 32 2,200 *16 x 25 14 0.024 2,200 550.0 ESC128M025A 25 32 2,200 *16 x 25 14 0.029 1,810 550.0 ESC128M025A 25 32 2,200 *16 x 32 14 0.024 2,200 550.0 ESC128M025A 25 32 2,200 *16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 2,200 *16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 35 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 35 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 3,300 *16 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,550 825.0 ESC338M025A									ESC157M025AG3(1)
25 32 330 *8 x 15 14 0.100 660 82.5 ESC337M025A 25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 470 10 x 16 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.086 760 117.5 ESC477M025A 25 32 820 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32			220	8 x 11		0.120			ESC227M025AG3(1)
25 32 330 8 x 20 14 0.069 800 82.5 ESC337M025A 25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 470 8 x 20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 16 14 0.086 760 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC687M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC108M025A 25 32									ESC227M025AG4(1)
25 32 330 10 x 16 14 0.086 900 82.5 ESC337M025A 25 32 470 8 x 20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 16 14 0.064 1050 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 *10 x 25 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25									ESC337M025AG4(1)
25 32 470 8 x 20 14 0.067 800 117.5 ESC477M025A 25 32 470 10 x 16 14 0.064 1050 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC18M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC18M025A 25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25									ESC337M025AG6(1)
25 32 470 10 x 16 14 0.064 1050 117.5 ESC477M025A 25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.038 1,450 250.0 ESC108M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ESC477M025AH8(1)</td>									ESC477M025AH8(1)
25 32 470 10 x 12.5 14 0.086 760 117.5 ESC477M025A 25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC188M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.028 2,000 375.0 ESC158M025A									ESC477M025AG0(1)
25 32 680 10 x 20 14 0.039 1,100 170.0 ESC687M025A 25 32 820 10 x 20 14 0.039 1,250 205.0 ESC827M025A 25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 32 1,500 16 x 25 14 0.028 2,000 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ESC477M025AH9(1)</td></t<>									ESC477M025AH9(1)
25 32 1,000 *10 x 20 14 0.047 1,160 250.0 ESC108M025A 25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 32 1,500 16 x 25 14 0.028 2,000 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 *16 x 32 14 0.032 1,660 550.0 ESC228M025A									ESC687M025AH4(1)
25 32 1,000 *10 x 25 14 0.042 1,310 250.0 ESC108M025A 25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 32 1,500 16 x 25 14 0.028 2,000 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A							1,250		ESC827M025AH4(1)
25 32 1,000 13 x 20 14 0.038 1,450 250.0 ESC108M025A 25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 32 1,500 16 x 25 14 0.028 2,000 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A									ESC108M025AH4(1)
25 32 1,200 13 x 25 14 0.035 1,600 300.0 ESC128M025A 25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 32 1,500 16 x 25 14 0.028 2,000 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A									ESC108M025AH5(1)
25 32 1,500 *13 x 30 14 0.032 1,750 375.0 ESC158M025A 25 32 1,500 16 x 25 14 0.028 2,000 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A									ESC108M025AL3(1)
25 32 1,500 16 x 25 14 0.028 2,000 375.0 ESC158M025A 25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A									ESC128M025AL4(1) ESC158M025AL8(1)
25 32 2,200 *13 x 30 14 0.029 1,810 550.0 ESC228M025A 25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A			·						ESC158M025AL6(1)
25 32 2,200 *16 x 25 14 0.032 1,660 550.0 ESC228M025A 25 32 2,200 16 x 32 14 0.024 2,200 550.0 ESC228M025A 25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A									ESC228M025AL8(1)
25 32 3,300 *16 x 36 14 0.019 2,540 825.0 ESC338M025A 25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A									ESC228M025AM7(1)
25 32 3,300 18 x 36 14 0.019 2,550 825.0 ESC338M025A 25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A			2,200	16 x 32		0.024	2,200		ESC228M025AM2(1)
25 32 4,700 18 x 36 14 0.019 2,800 1175.0 ESC478M025A									ESC338M025AM3(1)
									ESC338M025AN2(1)
VDC VDC Surge Rated Capacitance Case Size DF Z RC LC Part Numb	25	32	4,/00	10 X 30	14	0.019	∠,800	11/5.0	ESU4/8MUZSANZ(I)
	VDC	VDC Surge	Rated Capacitance	Case Size	DF	Z	RC	LC	Part Number

⁽¹⁾ Insert packaging code. See Ordering Options Table for available options.

¹ When capacitance exceeds 1,000 μF, the DF value (%) is increased by 2% for every additional 1,000 μF.

^{*} Dimension is down size, Endurance will be less 1,000 hours than standard.



Table 1 - Ratings & Part Number Reference cont.

	VDC	Rated Capacitance	Case Size	DF 120 Hz	Z	RC	LC 20°C	
VDC	Surge Voltage	120 Hz 20°C (μF)	D x L (mm)	20°C (tan δ %) ¹	100 kHz 20°C (Ω)	100 kHz 105°C (mA)	2 Minutes (µA)	Part Number
25	32	6,800	18 x 36	14	0.019	2,800	1700.0	ESC688M025AN2(1)
35	44	4.7	5 x 11	12	1.200	115	3.0	ESC475M035AC3(1)
35	44	6.8	5 x 11	12	1.000	120	3.0	ESC685M035AC3(1)
35	44	10	5 x 11	12	0.900	140	3.5	ESC106M035AC3(1)
35 35	44 44	15	5 x 11 5 x 11	12 12	0.690	170 190	5.3 7.7	ESC156M035AC3(1) ESC226M035AC3(1)
35	44	22 33	5 x 11	12	0.600 0.580	200	7.7 11.6	ESC336M035AC3(1)
35	44	47	6.3 x 11	12	0.039	250	16.5	ESC476M035AE3(1)
35	44	68	6.3 x 11	12	0.220	300	23.8	ESC686M035AE3(1)
35	44	100	6.3 x 11	12	0.180	300	35.0	ESC107M035AE3(1)
35	44	100	8 x 11	12	0.140	450	35.0	ESC107M035AG3(1)
35	44	120	8 x 11	12	0.130	550	42.0	ESC127M035AG3(1)
35	44	150	8 x 15	12	0.100	650	52.5	ESC157M035AG4(1)
35	44	220	8 x 15	12	0.100	650	77.0	ESC227M035AG4(1)
35 35	44 44	220 330	10 x 12.5 *10 x 16	12 12	0.069 0.052	800 900	77.0 115.5	ESC227M035AH9(1) ESC337M035AH8(1)
35	44	330	10 x 10	12	0.032	1,050	115.5	ESC337M035AH4(1)
35	44	470	10 x 20	12	0.039	1,300	164.5	ESC477M035AH4(1)
35	44	680	13 x 20	12	0.038	1,400	238.0	ESC687M035AL3(1)
35	44	820	13 x 20	12	0.034	1,550	287.0	ESC827M035AL3(1)
35	44	1,000	13 x 25	12	0.029	1,700	350.0	ESC108M035AL4(1)
35	44	1,200	16 x 25	12	0.028	1,900	420.0	ESC128M035AM7(1)
35	44	1,500	16 x 25	12	0.024	2,100	525.0	ESC158M035AM7(1)
35	44	2,200	*16 x 32	12	0.021	2,300	770.0	ESC228M035AM2(1)
35 35	44 44	2,200 3,300	16 x 36 18 x 36	12 12	0.019 0.019	2,550 2,800	770.0 1155.0	ESC228M035AM3(1) ESC338M035AN2(1)
50	63	4.7	5 x 11	10	2.000	115	3.0	ESC475M050AC3(1)
50	63	6.8	5 x 11	10	1.850	120	3.4	ESC685M050AC3(1)
50	63	10	5 x 11	10	1.700	140	5.0	ESC106M050AC3(1)
50	63	15	5 x 11	10	1.200	180	7.5	ESC156M050AC3(1)
50	63	22	5 x 11	10	0.700	200	11.0	ESC226M050AC3(1)
50	63	33	6.3 x 11	10	0.600	250	16.5	ESC336M050AE3(1)
50	63	47	6.3 x 11	10	0.520	300	23.5	ESC476M050AE3(1)
50 50	63 63	68 100	8 x 11 8 x 11	10 10	0.350 0.290	450 450	34.0 50.0	ESC686M050AG3(1) ESC107M050AG3(1)
50	63	100	8 x 15	10	0.250	550	50.0	ESC107M050AG3(1) ESC107M050AG4(1)
50	63	120	8 x 20	10	0.210	650	60.0	ESC127M050AG6(1)
50	63	150	10 x 12.5	10	0.160	800	75.0	ESC157M050AH9(1)
50	63	220	*10 x 16	10	0.100	1,050	110.0	ESC227M050AH8(1)
50	63	220	10 x 25	10	0.068	1,050	110.0	ESC227M050AH5(1)
50	63	330	10 x 20	10	0.072	1,300	165.0	ESC337M050AH4(1)
50	63	470	*10 x 20	10	0.075	1,390	235.0	ESC477M050AH4(1)
50 50	63 63	470 680	13 x 20	10 10	0.060 0.050	1,400 1,550	235.0 340.0	ESC477M050AL3(1) ESC687M050AL4(1)
50 50	63 63	680 820	13 x 25 16 x 25	10	0.050	1,550 1,700	340.0 410.0	ESC827M050AL4(1)
50	63	1,000	16 x 25	10	0.039	1,900	500.0	ESC108M050AM7(1)
50	63	1,200	16 x 32	10	0.025	2,100	600.0	ESC128M050AM2(1)
50	63	1,500	16 x 36	10	0.025	2,550	750.0	ESC158M050AM3(1)
50	63	2,200	18 x 40	10	0.025	2,800	1100.0	ESC228M050AN3(1)
63	79	4.7	5 x 11	9	2.200	115	3.0	ESC475M063AC3(1)
63	79	6.8	5 x 11	9	2.000	120	4.3	ESC685M063AC3(1)
63	79 70	10	5 x 11	9	1.850	140	6.3	ESC106M063AC3(1)
63	79 79	15	5 x 11	9	1.700	200	9.5	ESC156M063AC3(1)
63 63	79 79	22 33	6.3 x 11 6.3 x 11	9 9	1.200 0.900	250 300	13.9 20.8	ESC226M063AE3(1) ESC336M063AE3(1)
63	79 79	47	6.3 x 11	9	0.900	300	29.6	ESC476M063AE3(1)
VDC	VDC Surge	Rated Capacitance	Case Size	DF	Z	RC	LC	Part Number
			0000 0120		-		0	

⁽¹⁾ Insert packaging code. See Ordering Options Table for available options.

¹ When capacitance exceeds 1,000 μF, the DF value (%) is increased by 2% for every additional 1,000 μF.

^{*} Dimension is down size, Endurance will be less 1,000 hours than standard.



Table 1 - Ratings & Part Number Reference cont.

VDC	VDC Surge Voltage	Rated Capacitance 120 Hz 20°C (µF)	Case Size D x L (mm)	DF 120 Hz 20°C (tan δ %) ¹	Z 100 kHz 20°C (Ω)	RC 100 kHz 105°C (mA)	LC 20°C 2 Minutes (µA)	Part Number
63	79	47	8 x 11	9	0.700	450	29.6	ESC476M063AG3(1)
63	79	68	8 x 11	9	0.520	550	42.8	ESC686M063AG3(1)
63	79	100	8 x 20	9	0.350	650	63.0	ESC107M063AG6(1)
63	79	120	10 x 16	9	0.300	800	75.6	ESC127M063AH8(1)
63	79	150	10 x 16	9	0.200	1,050	94.5	ESC157M063AH8(1)
63	79	220	10 x 20	9	0.150	1,300	138.6	ESC227M063AH4(1)
63	79	330	13 x 20	9	0.100	1,400	207.9	ESC337M063AL3(1)
63	79	470	13 x 25	9	0.064	1,550	296.1	ESC477M063AL4(1)
63	79	680	16 x 25	9	0.052	1,700	428.4	ESC687M063AM7(1)
63	79	820	16 x 32	9	0.048	1,900	516.6	ESC827M063AM2(1)
63	79	1,000	16 x 32	9	0.042	2,100	630.0	ESC108M063AM2(1)
63	79	1,200	16 x 36	9	0.036	2,550	756.0	ESC128M063AM3(1)
63	79	1,500	18 x 36	9	0.033	2,800	945.0	ESC158M063AN2(1)
100	125	4.7	5 x 11	8	2.000	120	4.7	ESC475M100AC3(1)
100	125	6.8	5 x 11	8	1.850	140	6.8	ESC685M100AC3(1)
100	125	10	6.3 x 11	8	1.500	200	10.0	ESC106M100AE3(1)
100	125	15	6.3 x 11	8	1.200	250	15.0	ESC156M100AE3(1)
100	125	22	8 x 11	8	0.790	300	22.0	ESC226M100AG3(1)
100	125	33	8 x 15	8	0.590	450	33.0	ESC336M100AG4(1)
100	125	47	10 x 16	8	0.350	550	47.0	ESC476M100AH8(1)
100	125	68	10 x 20	8	0.240	650	68.0	ESC686M100AH4(1)
100	125	100	13 x 20	8	0.180	800	100.0	ESC107M100AL3(1)
100	125	120	13 x 25	8	0.150	1,050	120.0	ESC127M100AL4(1)
100	125	150	13 x 25	8	0.110	1,300	150.0	ESC157M100AL4(1)
100	125	220	16 x 25	8	0.071	1,400	220.0	ESC227M100AM7(1)
100	125	330	16 x 32	8	0.049	1,550	330.0	ESC337M100AM2(1)
100	125	470	18 x 36	8	0.038	1,700	470.0	ESC477M100AN2(1)
VDC	VDC Surge	Rated Capacitance	Case Size	DF	Z	RC	LC	Part Number

⁽¹⁾ Insert packaging code. See Ordering Options Table for available options.

 $^{^{1}}$ When capacitance exceeds 1,000 μ F, the DF value (%) is increased by 2% for every additional 1,000 μ F.

^{*} Dimension is down size, Endurance will be less 1,000 hours than standard.