

Overview

The KEMET ESY radial aluminum electrolytic capacitors are designed for long life (up to 5,000 hours), very low impedance, and high ripple current applications.

Applications

Typical applications include audio/visual (AV), computer, communications, and switch mode power supplies (SMPS).

Benefits

- Very low impedance
- High ripple current
- Operating temperature of up to +105°C
- 1,000 – 5,000 hour operating life
- Case with Ø D ≥ 4 mm
- Safety vent on the capacitor base



Part Number System

ESY	396	M	6R3		A	B2	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 Voltage	Rated Capacitance 120 Hz 20°C (μF)	Case Size D x L (mm)	DF 120 Hz 20°C (tan δ %)*	Z 100 kHz 20°C (Ω)	RC 100 kHz 105°C (mA)	LC 20°C 2 Minutes (μA)	Part Number
6.3	8	39	4 x 7	22	0.850	130	3.0	ESY396M6R3AB2(1)
6.3	8	47	5 x 7	22	0.700	175	3.0	ESY476M6R3AC2(1)
6.3	8	56	5 x 7	22	0.560	190	3.5	ESY566M6R3AC2(1)
6.3	8	68	5 x 7	22	0.430	210	4.3	ESY686M6R3AC2(1)
6.3	8	100	5 x 11	22	0.430	200	6.3	ESY107M6R3AC3(1)
6.3	8	100	6.3 x 7	22	0.350	240	6.3	ESY107M6R3AE2(1)
6.3	8	120	5 x 11	22	0.380	220	7.6	ESY127M6R3AC3(1)
6.3	8	120	6.3 x 7	22	0.290	270	7.6	ESY127M6R3AE2(1)
6.3	8	150	5 x 11	22	0.300	250	9.5	ESY157M6R3AC3(1)
6.3	8	150	6.3 x 7	22	0.230	300	9.5	ESY157M6R3AE2(1)
6.3	8	180	8 x 7	22	0.180	340	11.3	ESY187M6R3AG1(1)
6.3	8	220	8 x 7	22	0.150	380	13.9	ESY227M6R3AG1(1)
6.3	8	270	6.3 x 11	22	0.160	370	17.0	ESY277M6R3AE3(1)
6.3	8	330	6.3 x 11	22	0.130	410	20.8	ESY337M6R3AE3(1)
6.3	8	470	8 x 11	22	0.086	680	29.6	ESY477M6R3AG3(1)
6.3	8	560	8 x 11	22	0.072	760	35.3	ESY567M6R3AG3(1)
6.3	8	680	8 x 15	22	0.062	900	42.8	ESY687M6R3AG4(1)
6.3	8	820	8 x 15	22	0.056	1000	51.7	ESY827M6R3AG4(1)
6.3	8	1000	10 x 12.5	22	0.053	1030	63.0	ESY108M6R3AH9(1)
6.3	8	1200	8 x 20	22	0.041	1250	75.6	ESY128M6R3AG6(1)
6.3	8	1200	10 x 16	22	0.038	1430	75.6	ESY128M6R3AH8(1)
6.3	8	1500	10 x 20	22	0.026	1820	94.5	ESY158M6R3AH4(1)
6.3	8	1800	10 x 25	22	0.025	1940	113.4	ESY188M6R3AH5(1)
6.3	8	2200	10 x 25	22	0.023	2150	138.6	ESY228M6R3AH5(1)
6.3	8	2700	13 x 20	22	0.022	2230	170.1	ESY278M6R3AL3(1)
6.3	8	3300	13 x 20	22	0.021	2360	207.9	ESY338M6R3AL3(1)
6.3	8	3900	13 x 25	22	0.018	2770	245.7	ESY398M6R3AL4(1)
6.3	8	4700	13 x 30	22	0.016	3290	296.1	ESY478M6R3AL8(1)
6.3	8	5600	13 x 35	22	0.015	3400	352.8	ESY568M6R3AL6(1)
6.3	8	5600	16 x 20	22	0.018	3140	352.8	ESY568M6R3AM5(1)
6.3	8	6800	16 x 25	22	0.016	3460	428.4	ESY688M6R3AM7(1)
10	13	27	4 x 7	19	0.890	130	3.0	ESY276M010AB2(1)
10	13	33	5 x 7	19	0.750	160	3.3	ESY336M010AC2(1)
10	13	39	5 x 7	19	0.640	175	3.9	ESY396M010AC2(1)
10	13	47	5 x 7	19	0.530	190	4.7	ESY476M010AC2(1)
10	13	56	5 x 7	19	0.440	210	5.6	ESY566M010AC2(1)
10	13	68	5 x 11	19	0.440	210	6.8	ESY686M010AC3(1)
10	13	100	5 x 11	19	0.300	250	10.0	ESY107M010AC3(1)
10	13	120	6.3 x 7	19	0.230	300	12.0	ESY127M010AE2(1)
10	13	150	8 x 7	19	0.180	345	15.0	ESY157M010AG1(1)
10	13	180	8 x 7	19	0.150	380	18.0	ESY187M010AG1(1)
10	13	220	6.3 x 11	19	0.130	410	22.0	ESY227M010AE3(1)
10	13	270	8 x 11	19	0.120	580	27.0	ESY277M010AG3(1)
10	13	330	8 x 11	19	0.100	640	33.0	ESY337M010AG3(1)
10	13	470	8 x 11	19	0.072	760	47.0	ESY477M010AG3(1)
10	13	560	8 x 15	19	0.068	910	56.0	ESY567M010AG4(1)
10	13	560	10 x 12.5	19	0.064	940	56.0	ESY567M010AH9(1)
10	13	680	8 x 16	19	0.056	1000	68.0	ESY687M010AG8(1)
10	13	680	10 x 12.5	19	0.053	1030	68.0	ESY687M010AH9(1)
10	13	820	8 x 20	19	0.050	1130	82.0	ESY827M010AG6(1)
10	13	820	10 x 16	19	0.046	1300	82.0	ESY827M010AH8(1)
10	13	1000	8 x 20	19	0.041	1250	100.0	ESY108M010AG6(1)
10	13	1000	10 x 16	19	0.038	1430	100.0	ESY108M010AH8(1)
10	13	1200	10 x 20	19	0.026	1820	120.0	ESY128M010AH4(1)
10	13	1500	10 x 25	19	0.023	2150	150.0	ESY158M010AH5(1)
10	13	1800	13 x 20	19	0.022	2230	180.0	ESY188M010AL3(1)
10	13	2200	13 x 20	19	0.021	2360	220.0	ESY228M010AL3(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.

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

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 %)*	Z 100 kHz 20°C (Ω)	RC 100 kHz 105°C (mA)	LC 20°C 2 Minutes (μA)	Part Number
10	13	2700	13 x 25	19	0.020	2510	270.0	ESY278M010AL4(1)
10	13	3300	13 x 25	19	0.018	2770	330.0	ESY338M010AL4(1)
10	13	3900	13 x 30	19	0.016	3290	390.0	ESY398M010AL8(1)
10	13	3900	16 x 20	19	0.018	3140	390.0	ESY398M010AM5(1)
10	13	4700	13 x 35	19	0.015	3400	470.0	ESY478M010AL6(1)
10	13	5600	16 x 25	19	0.016	3460	560.0	ESY568M010AM7(1)
16	20	18	4 x 7	16	0.920	130	3.0	ESY186M016AB2(1)
16	20	27	5 x 7	16	0.610	190	4.3	ESY276M016AC2(1)
16	20	33	5 x 7	16	0.450	210	5.3	ESY336M016AC2(1)
16	20	39	5 x 11	16	0.430	220	6.2	ESY396M016AC3(1)
16	20	47	5 x 11	16	0.360	230	7.5	ESY476M016AC3(1)
16	20	56	5 x 11	16	0.300	250	9.0	ESY566M016AC3(1)
16	20	68	6.3 x 7	16	0.240	300	10.9	ESY686M016AE2(1)
16	20	100	6.3 x 11	16	0.160	370	16.0	ESY107M016AE3(1)
16	20	100	8 x 7	16	0.180	350	16.0	ESY107M016AG1(1)
16	20	120	6.3 x 11	16	0.130	410	19.2	ESY127M016AE3(1)
16	20	120	8 x 7	16	0.150	380	19.2	ESY127M016AG1(1)
16	20	150	8 x 11	16	0.120	510	24.0	ESY157M016AG3(1)
16	20	180	8 x 11	16	0.110	560	28.8	ESY187M016AG3(1)
16	20	220	8 x 11	16	0.100	620	35.2	ESY227M016AG3(1)
16	20	270	8 x 11	16	0.088	690	43.2	ESY277M016AG3(1)
16	20	330	8 x 11	16	0.072	760	52.8	ESY337M016AG3(1)
16	20	470	8 x 16	16	0.056	1000	75.2	ESY477M016AG8(1)
16	20	470	10 x 12.5	16	0.053	1030	75.2	ESY477M016AH9(1)
16	20	560	8 x 20	16	0.049	1140	89.6	ESY567M016AG6(1)
16	20	560	10 x 16	16	0.046	1300	89.6	ESY567M016AH8(1)
16	20	680	8 x 20	16	0.041	1250	108.8	ESY687M016AG6(1)
16	20	680	10 x 16	16	0.038	1430	108.8	ESY687M016AH8(1)
16	20	820	10 x 20	16	0.032	1650	131.2	ESY827M016AH4(1)
16	20	1000	10 x 20	16	0.026	1820	160.0	ESY108M016AH4(1)
16	20	1200	10 x 25	16	0.023	2150	192.0	ESY128M016AH5(1)
16	20	1500	13 x 20	16	0.021	2360	240.0	ESY158M016AL3(1)
16	20	1800	13 x 25	16	0.020	2510	288.0	ESY188M016AL4(1)
16	20	2200	13 x 25	16	0.018	2770	352.0	ESY228M016AL4(1)
16	20	2700	13 x 30	16	0.016	3290	432.0	ESY278M016AL8(1)
16	20	2700	16 x 20	16	0.018	3140	432.0	ESY278M016AM5(1)
16	20	3300	13 x 35	16	0.015	3400	528.0	ESY338M016AL6(1)
16	20	3900	16 x 25	16	0.016	3460	624.0	ESY398M016AM7(1)
25	32	15	4 x 7	14	0.940	130	3.8	ESY156M025AB2(1)
25	32	18	5 x 7	14	0.690	170	4.5	ESY186M025AC2(1)
25	32	27	5 x 7	14	0.460	210	6.8	ESY276M025AC2(1)
25	32	33	5 x 11	14	0.420	220	8.3	ESY336M025AC3(1)
25	32	39	5 x 11	14	0.360	230	9.8	ESY396M025AC3(1)
25	32	47	5 x 11	14	0.300	250	11.8	ESY476M025AC3(1)
25	32	56	6.3 x 7	14	0.240	300	14.0	ESY566M025AE2(1)
25	32	68	6.3 x 11	14	0.190	340	17.0	ESY686M025AE3(1)
25	32	68	8 x 7	14	0.220	310	17.0	ESY686M025AG1(1)
25	32	100	6.3 x 11	14	0.130	410	25.0	ESY107M025AE3(1)
25	32	100	8 x 7	14	0.150	380	25.0	ESY107M025AG1(1)
25	32	120	8 x 11	14	0.120	560	30.0	ESY127M025AG3(1)
25	32	150	8 x 11	14	0.105	630	37.5	ESY157M025AG3(1)
25	32	180	8 x 11	14	0.088	690	45.0	ESY187M025AG3(1)
25	32	220	8 x 11	14	0.072	760	55.0	ESY227M025AG3(1)
25	32	270	8 x 15	14	0.068	900	67.5	ESY277M025AG4(1)
25	32	270	10 x 12.5	14	0.065	930	67.5	ESY277M025AH9(1)
25	32	330	10 x 12.5	14	0.053	1030	82.5	ESY337M025AH9(1)
25	32	330	8 x 16	14	0.056	1000	82.5	ESY337M025AG8(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.

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

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 %)*	Z 100 kHz 20°C (Ω)	RC 100 kHz 105°C (mA)	LC 20°C 2 Minutes (μA)	Part Number
25	32	470	8 x 20	14	0.041	1250	117.5	ESY477M025AG6(1)
25	32	470	10 x 16	14	0.038	1430	117.5	ESY477M025AH8(1)
25	32	560	10 x 20	14	0.032	1650	140.0	ESY567M025AH4(1)
25	32	680	10 x 20	14	0.026	1820	170.0	ESY687M025AH4(1)
25	32	820	10 x 25	14	0.023	2150	205.0	ESY827M025AH5(1)
25	32	1000	13 x 20	14	0.021	2360	250.0	ESY108M025AL3(1)
25	32	1200	13 x 25	14	0.020	2510	300.0	ESY128M025AL4(1)
25	32	1500	13 x 25	14	0.018	2770	375.0	ESY158M025AL4(1)
25	32	1800	13 x 30	14	0.016	3290	450.0	ESY188M025AL8(1)
25	32	1800	16 x 20	14	0.018	3140	450.0	ESY188M025AM5(1)
25	32	2200	13 x 35	14	0.015	3400	550.0	ESY228M025AL6(1)
25	32	2700	16 x 25	14	0.016	3460	675.0	ESY278M025AM7(1)
35	44	10	4 x 7	12	0.960	130	3.5	ESY106M035AB2(1)
35	44	15	5 x 7	12	0.570	190	5.3	ESY156M035AC2(1)
35	44	18	5 x 7	12	0.470	210	6.3	ESY186M035AC2(1)
35	44	27	5 x 11	12	0.370	230	9.5	ESY276M035AC3(1)
35	44	33	5 x 11	12	0.300	250	11.6	ESY336M035AC3(1)
35	44	39	6.3 x 7	12	0.250	300	13.7	ESY396M035AE2(1)
35	44	47	6.3 x 11	12	0.150	380	16.5	ESY476M035AE3(1)
35	44	47	8 x 7	12	0.190	350	16.5	ESY476M035AG1(1)
35	44	56	6.3 x 11	12	0.130	410	19.6	ESY566M035AE3(1)
35	44	56	8 x 7	12	0.160	380	19.6	ESY566M035AG1(1)
35	44	68	8 x 11	12	0.120	510	23.8	ESY686M035AG3(1)
35	44	100	8 x 11	12	0.105	620	35.0	ESY107M035AG3(1)
35	44	120	8 x 11	12	0.088	680	42.0	ESY127M035AG3(1)
35	44	150	8 x 11	12	0.072	760	52.5	ESY157M035AG3(1)
35	44	180	8 x 15	12	0.068	910	63.0	ESY187M035AG4(1)
35	44	180	10 x 12.5	12	0.065	930	63.0	ESY187M035AH9(1)
35	44	220	10 x 12.5	12	0.053	1030	77.0	ESY227M035AH9(1)
35	44	220	8 x 16	12	0.056	1000	77.0	ESY227M035AG8(1)
35	44	270	8 x 20	12	0.041	1250	94.5	ESY277M035AG6(1)
35	44	330	10 x 16	12	0.038	1430	115.5	ESY337M035AH8(1)
35	44	470	10 x 20	12	0.026	1820	164.5	ESY477M035AH4(1)
35	44	560	10 x 25	12	0.023	2150	196.0	ESY567M035AH5(1)
35	44	680	13 x 20	12	0.021	2360	238.0	ESY687M035AL3(1)
35	44	820	13 x 25	12	0.020	2510	287.0	ESY827M035AL4(1)
35	44	1000	13 x 25	12	0.018	2770	350.0	ESY108M035AL4(1)
35	44	1200	13 x 30	12	0.016	3290	420.0	ESY128M035AL8(1)
35	44	1200	16 x 20	12	0.018	3140	420.0	ESY128M035AM5(1)
35	44	1500	13 x 35	12	0.015	3400	525.0	ESY158M035AL6(1)
35	44	1800	16 x 25	12	0.016	3460	630.0	ESY188M035AM7(1)
50	63	5.6	4 x 7	10	1.000	130	3.0	ESY565M050AB2(1)
50	63	6.8	5 x 7	10	0.740	170	3.4	ESY685M050AC2(1)
50	63	10	5 x 7	10	0.500	210	5.0	ESY106M050AC2(1)
50	63	15	5 x 11	10	0.480	215	7.5	ESY156M050AC3(1)
50	63	15	6.3 x 7	10	0.380	220	7.5	ESY156M050AE2(1)
50	63	22	5 x 11	10	0.340	240	11.0	ESY226M050AC3(1)
50	63	22	6.3 x 7	10	0.260	300	11.0	ESY226M050AE2(1)
50	63	27	8 x 7	10	0.210	340	13.5	ESY276M050AG1(1)
50	63	33	8 x 7	10	0.170	380	16.5	ESY336M050AG1(1)
50	63	39	6.3 x 11	10	0.160	330	19.5	ESY396M050AE3(1)
50	63	47	6.3 x 11	10	0.150	360	23.5	ESY476M050AE3(1)
50	63	56	6.3 x 11	10	0.140	390	28.0	ESY566M050AE3(1)
50	63	68	8 x 11	10	0.110	600	34.0	ESY686M050AG3(1)
50	63	82	8 x 11	10	0.090	660	41.0	ESY826M050AG3(1)
50	63	100	8 x 11	10	0.074	730	50.0	ESY107M050AG3(1)
50	63	120	8 x 15	10	0.065	950	60.0	ESY127M050AG4(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.

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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 %)*	Z 100 kHz 20°C (Ω)	RC 100 kHz 105°C (mA)	LC 20°C 2 Minutes (μA)	Part Number
50	63	150	10 x 12.5	10	0.061	980	75.0	ESY157M050AH9(1)
50	63	180	8 x 20	10	0.046	1190	90.0	ESY187M050AG6(1)
50	63	220	10 x 16	10	0.042	1370	110.0	ESY227M050AH8(1)
50	63	270	10 x 20	10	0.030	1580	135.0	ESY277M050AH4(1)
50	63	330	10 x 25	10	0.028	1870	165.0	ESY337M050AH5(1)
50	63	390	13 x 20	10	0.028	1870	195.0	ESY397M050AL3(1)
50	63	470	13 x 20	10	0.027	2050	235.0	ESY477M050AL3(1)
50	63	560	13 x 25	10	0.023	2410	280.0	ESY567M050AL4(1)
50	63	680	13 x 30	10	0.021	2860	340.0	ESY687M050AL8(1)
50	63	820	13 x 35	10	0.019	2960	410.0	ESY827M050AL6(1)
50	63	820	16 x 20	10	0.023	2730	410.0	ESY827M050AM5(1)
50	63	1000	16 x 32	10	0.021	3350	500.0	ESY108M050AM2(1)
63	79	15	5 x 11	9	1.190	136	9.5	ESY156M063AC3(1)
63	79	22	6.3 x 11	9	0.880	176	13.9	ESY226M063AE3(1)
63	79	27	6.3 x 11	9	0.580	192	17.0	ESY276M063AE3(1)
63	79	33	6.3 x 11	9	0.470	216	20.8	ESY336M063AE3(1)
63	79	39	8 x 11	9	0.420	308	24.6	ESY396M063AG3(1)
63	79	47	8 x 11	9	0.350	336	29.6	ESY476M063AG3(1)
63	79	56	8 x 11	9	0.350	400	35.3	ESY566M063AG3(1)
63	79	68	8 x 15	9	0.260	488	42.8	ESY686M063AG4(1)
63	79	68	10 x 12.5	9	0.240	500	42.8	ESY686M063AH9(1)
63	79	82	8 x 15	9	0.220	536	51.7	ESY826M063AG4(1)
63	79	82	10 x 12.5	9	0.200	552	51.7	ESY826M063AH9(1)
63	79	100	10 x 16	9	0.160	640	63.0	ESY107M063AH8(1)
63	79	120	8 x 20	9	0.160	656	75.6	ESY127M063AG6(1)
63	79	120	10 x 16	9	0.150	760	75.6	ESY127M063AH8(1)
63	79	150	10 x 20	9	0.130	808	94.5	ESY157M063AH4(1)
63	79	150	13 x 16	9	0.130	832	94.5	ESY157M063AL2(1)
63	79	180	10 x 20	9	0.110	880	113.4	ESY187M063AH4(1)
63	79	180	13 x 16	9	0.110	912	113.4	ESY187M063AL2(1)
63	79	220	10 x 25	9	0.099	1040	138.6	ESY227M063AH5(1)
63	79	270	13 x 20	9	0.810	1200	170.1	ESY277M063AL3(1)
63	79	330	13 x 25	9	0.058	1480	207.9	ESY337M063AL4(1)
63	79	390	13 x 30	9	0.063	1640	245.7	ESY397M063AL8(1)
63	79	390	16 x 20	9	0.073	1448	245.7	ESY397M063AM5(1)
63	79	470	13 x 30	9	0.061	1800	296.1	ESY477M063AL8(1)
63	79	470	16 x 20	9	0.061	1592	296.1	ESY477M063AM5(1)
63	79	560	13 x 35	9	0.047	1960	352.8	ESY567M063AL6(1)
63	79	560	16 x 25	9	0.043	2040	352.8	ESY567M063AM7(1)
63	79	680	13 x 40	9	0.039	2224	428.4	ESY687M063AL7(1)
63	79	680	18 x 20	9	0.051	1960	428.4	ESY687M063AN4(1)
63	79	820	16 x 32	9	0.035	2248	516.6	ESY827M063AM2(1)
63	79	820	18 x 25	9	0.042	2224	516.6	ESY827M063AN5(1)
63	79	1000	16 x 36	9	0.028	2272	630.0	ESY108M063AM3(1)
63	79	1000	18 x 32	9	0.034	2616	630.0	ESY108M063AN1(1)
63	79	1200	16 x 40	9	0.026	2672	756.0	ESY128M063AM4(1)
63	79	1200	18 x 36	9	0.027	2648	756.0	ESY128M063AN2(1)
63	79	1500	18 x 40	9	0.024	2736	945.0	ESY158M063AN3(1)
100	125	6.8	5 x 11	8	1.400	125	6.8	ESY685M100AC3(1)
100	125	10	6.3 x 11	8	0.950	170	10.0	ESY106M100AE3(1)
100	125	15	6.3 x 11	8	0.570	210	15.0	ESY156M100AE3(1)
100	125	22	8 x 11	8	0.440	330	22.0	ESY226M100AG3(1)
100	125	27	8 x 11	8	0.360	360	27.0	ESY276M100AG3(1)
100	125	33	8 x 15	8	0.300	375	33.0	ESY336M100AG4(1)
100	125	39	8 x 15	8	0.250	450	39.0	ESY396M100AG4(1)
100	125	47	10 x 12.5	8	0.240	450	47.0	ESY476M100AH9(1)
100	125	56	8 x 20	8	0.190	570	56.0	ESY566M100AG6(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.

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

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 %)*	Z 100 kHz 20°C (Ω)	RC 100 kHz 105°C (mA)	LC 20°C 2 Minutes (μA)	Part Number
100	125	68	10 x 16	8	0.180	580	68.0	ESY686M100AH8(1)
100	125	82	10 x 20	8	0.130	750	82.0	ESY826M100AH4(1)
100	125	82	13 x 16	8	0.130	740	82.0	ESY826M100AL2(1)
100	125	100	10 x 25	8	0.120	880	100.0	ESY107M100AH5(1)
100	125	120	13 x 20	8	0.094	1050	120.0	ESY127M100AL3(1)
100	125	150	13 x 25	8	0.085	1100	150.0	ESY157M100AL4(1)
100	125	180	13 x 25	8	0.071	1200	180.0	ESY187M100AL4(1)
100	125	220	13 x 30	8	0.063	1410	220.0	ESY227M100AL8(1)
100	125	220	16 x 20	8	0.071	1300	220.0	ESY227M100AM5(1)
100	125	270	13 x 35	8	0.052	1560	270.0	ESY277M100AL6(1)
100	125	270	16 x 25	8	0.053	1600	270.0	ESY277M100AM7(1)
100	125	270	18 x 20	8	0.069	1470	270.0	ESY277M100AN4(1)
100	125	330	13 x 40	8	0.046	1700	330.0	ESY337M100AL7(1)
100	125	390	16 x 32	8	0.041	1750	390.0	ESY397M100AM2(1)
100	125	390	18 x 25	8	0.049	1620	390.0	ESY397M100AN5(1)
100	125	470	16 x 36	8	0.033	1890	470.0	ESY477M100AM3(1)
100	125	470	18 x 32	8	0.039	1780	470.0	ESY477M100AN1(1)
100	125	560	16 x 40	8	0.030	2080	560.0	ESY567M100AM4(1)
100	125	560	18 x 36	8	0.031	2060	560.0	ESY567M100AN2(1)
100	125	680	18 x 40	8	0.028	2570	680.0	ESY687M100AN3(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.

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