

● Endurance with ripple current : 2,000 hours at 85°C

● RoHS2 Compliant



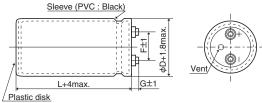


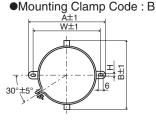
♦SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-40 to +85°C (10 to 100V	dc)						
Rated Voltage Range	10 to 100V _{dc}							
Capacitance Tolerance	±20% (M)			(at 20℃, 120Hz)				
Leakage Current	I=0.02CV or 5mA, whiche Where, I: Max. leakage of	ever is smaller. current (μΑ), C : Nominal capacitance (μΓ	r), V : Rated voltage (V)	(at 20°C after 5 minutes)				
Dissipation Factor (tan δ)	Shall not exceed the values shown in the STANDARD RATINGS (at 20°C, 120Hz)							
Low Temperature Characteristics	Capacitance change $C(-25^{\circ}C)/C(+20^{\circ}C) \ge 0.7$ (at 120Hz)							
Insulation Resistance	When measured between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of $500V_{dc}$, the insulation resistance shall not be less than $100M\Omega$.							
Insulation Withstanding Voltage	When a voltage of 2,000V _{ac} is applied for 1 minute between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.							
Endurance		ns shall be satisfied when the capacitors the peak voltage shall not exceed the rate ≤±20% of the initial value ≤200% of the initial specified value ≤The initial specified value		o DC voltage with the rated				
Shelf Life	The following specification	s shall be satisfied when the capacitors are measurement, the capacitor shall be preceded as the capacitor of the initial specified value as the capacitor of the capacitors are capacitors.						

◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code: LG





ϕD	Α	В	W	Н	F	
35	58.0	44.0	48.0	3.5	12.7	
50	78.0	64.0	68.0	4.5	22.4	
63.5	90.0	76.0	80.0	4.5	28.0	
76.2	104.5	90.0	93.5	4.5	31.5	

■Mounting Clamp Code : C



φD	Е	K	J	F	
50	32.5	37.0	14.0	22.4	
63.5	38.1	43.5	14.0	28.0	
76.2	44.5	50.0	14.0	31.5	
89	50.8	56.5	16.0	31.5	

φ76.2 & φ89 : G=5 <Screw specifcations>

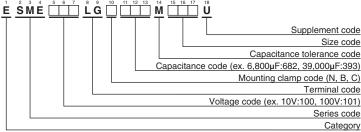
 ϕ 35 to ϕ 63.5 : G=6

Plus hexagon-headed screw :M5×0.8×10

Maximum screw tightening torque :3.23Nm

* The screw and the mounting clamp are separately supplied and not attached to the product.

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (screw-mount terminal type)"



SMESeries

STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.		WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.
	39,000	35 × 50	0.60	4.70	ESME100LGB393MA50U			10,000	35 × 50	0.25	4.10	ESME500LGB103MA50U
	82,000	35 × 80	0.60	7.40	ESME100LGB823MA80U			18,000	35 × 80	0.25	5.20	ESME500LGB183MA80U
	100,000	35 × 100	0.70	8.00	ESME100LGB104MAA0U			22,000	35 × 100	0.30	5.90	ESME500LGB223MAA0U
	120,000	35 × 120	0.70	9.40	ESME100LGB124MAC0U			27,000	35 × 120	0.35	6.60	ESME500LGB273MAC0U
	150,000	50 × 80	0.90	9.80	ESME100LGC154MC80U			39,000	50 × 80	0.40	7.40	ESME500LGC393MC80U
10	220,000	50 × 100	1.00	12.1	ESME100LGC224MCA0U	Ш		56,000	50 × 100	0.40	9.80	ESME500LGC563MCA0U
	270,000	50 × 120	1.20	13.6	ESME100LGC274MCC0U			68,000	50 × 120	0.45	11.1	ESME500LGC683MCC0U
	390,000	63.5 × 100	1.50	15.3	ESME100LGC394MDA0U			82,000	63.5 × 100	0.50	12.2	ESME500LGC823MDA0U
	470,000	63.5 × 120	2.00	16.0	ESME100LGC474MDC0U			120,000	63.5 × 120	0.50	16.0	ESME500LGC124MDC0U
	560,000	76.2 × 100	2.50	17.3	ESME100LGC564MEA0U			150,000	76.2 × 120	0.60	18.1	ESME500LGC154MEC0U
	680,000	76.2 × 120	3.00	18.7	ESME100LGC684MEC0U			180,000	76.2 × 140	0.70	19.5	ESME500LGC184MEE0U
	27,000	35 × 50	0.45	4.20	ESME160LGB273MA50U			270,000	89 × 140	0.80	24.6	ESME500LGC274MFE0U
	56,000	35 × 80	0.60	6.50	ESME160LGB563MA80U		63	5,600	35 × 50	0.20	3.00	ESME630LGB562MA50U
	82,000	35 × 100	0.70	8.00	ESME160LGB823MAA0U			10,000	35 × 80	0.25	4.00	ESME630LGB103MA80U
	100,000	35 × 120	0.70	9.60	ESME160LGB104MAC0U			15,000	35 × 100	0.25	5.30	ESME630LGB153MAA0U
	120,000	50 × 80	0.80	9.60	ESME160LGC124MC80U			18,000	35 × 120	0.25	6.20	ESME630LGB183MAC0U
	150,000	50 × 100	0.90	11.2	ESME160LGC154MCA0U			22.000	50 × 80	0.30	6.50	ESME630LGC223MC80U
16	220.000	50 × 120	1.00	14.2	ESME160LGC224MCC0U			33,000	50 × 100	0.35	8.10	ESME630LGC333MCA0U
	-,	63.5 × 100	1.20	15.3	ESME160LGC274MDA0U			39,000	50 × 120	0.35	9.60	ESME630LGC393MCC0U
		63.5 × 120	1.30	17.1	ESME160LGC334MDC0U				63.5 × 100	0.40	10.2	ESME630LGC473MDA0U
		76.2×100	1.60	18.0	ESME160LGC394MEA0U				63.5 × 120	0.40	13.3	ESME630LGC683MDC0U
	470,000	76.2×100	1.80	19.3	ESME160LGC474MEC0U				76.2 × 120	0.45	17.1	ESME630LGC104MEC0U
	560,000	76.2×120	2.00	20.7	ESME160LGC564MEE0U			120,000		0.43	19.0	ESME630LGC124MEE0U
	_	35×50	0.35	4.00	ESME250LGB183MA50U			150,000	89 × 140	0.55	22.0	ESME630LGC154MFE0U
	18,000 39,000	35 × 50	0.35	6.20		╟		3,300	35 × 50	0.55	2.50	
	47.000	35 × 100	0.40	7.40	ESME250LGB393MA80U ESME250LGB473MAA0U			6.800	35 × 80	0.13	3.70	ESME800LGB332MA50U ESME800LGB682MA80U
	56,000	35 × 100	0.40	8.30	ESME250LGB473MAA00 ESME250LGB563MAC0U			10,000	35 × 80	0.20	4.90	ESME800LGB002MA60U
			0.45	9.70				12,000				
	82,000	50 × 80			ESME250LGC823MC80U				35 × 120	0.20	5.40	ESME800LGB123MAC0U
0.5	100,000	50 × 100	0.60	10.8	ESME250LGC104MCA0U			15,000	50 × 80	0.25	6.00	ESME800LGC153MC80U
25	120,000	50 × 120	0.60	12.8	ESME250LGC124MCC0U		80	22,000	50 × 100	0.30	7.10	ESME800LGC223MCA0U
	180,000	63.5 × 100	0.75	14.7	ESME250LGC184MDA0U			27,000	50 × 120	0.30	8.60	ESME800LGC273MCC0U
	220,000	63.5 × 120	0.80	16.8	ESME250LGC224MDC0U				63.5 × 100	0.35	9.30	ESME800LGC333MDA0U
		76.2 × 100	0.90	18.3	ESME250LGC274MEA0U				63.5 × 120	0.35	12.0	ESME800LGC473MDC0U
		76.2 × 120	1.00	20.7	ESME250LGC334MEC0U				76.2 × 120	0.35	15.4	ESME800LGC683MEC0U
	390,000		1.20	22.1	ESME250LGC394MEE0U				76.2 × 140	0.35	18.1	ESME800LGC823MEE0U
	560,000	89 × 140	1.50	25.8	ESME250LGC564MFE0U	┞		100,000	89 × 140	0.40	21.0	ESME800LGC104MFE0U
	15,000	35 × 50	0.30	3.90	ESME350LGB153MA50U			2,200	35 × 50	0.10	2.50	ESME101LGB222MA50U
	33,000	35 × 80	0.40	6.00	ESME350LGB333MA80U			4,700	35 × 80	0.15	3.40	ESME101LGB472MA80U
	39,000	35 × 100	0.40	7.00	ESME350LGB393MAA0U		100	6,800	35 × 100	0.15	4.20	ESME101LGB682MAA0U
35	47,000	35 × 120	0.45	8.00	ESME350LGB473MAC0U			8,200	35 × 120	0.15	5.00	ESME101LGB822MAC0U
	68,000	50 × 80	0.50	9.00	ESME350LGC683MC80U			10,000	50 × 80	0.20	5.20	ESME101LGC103MC80U
	82,000	50 × 100	0.55	10.3	ESME350LGC823MCA0U			18,000	50 × 120	0.20	8.10	ESME101LGC183MCC0U
	120,000	50 × 120	0.60	12.8	ESME350LGC124MCC0U				63.5×100	0.25	8.60	ESME101LGC223MDA0U
		63.5×100	0.70	14.0	ESME350LGC154MDA0U				63.5×120	0.25	10.3	ESME101LGC273MDC0U
		63.5×120	0.70	16.6	ESME350LGC184MDC0U				76.2×100	0.25	11.1	ESME101LGC333MEA0U
		76.2×100	0.75	17.3	ESME350LGC224MEA0U				76.2×120	0.25	12.4	ESME101LGC393MEC0U
	270,000	76.2×120	0.80	19.8	ESME350LGC274MEC0U			47,000		0.25	14.3	ESME101LGC473MEE0U
	330,000	76.2×140	0.90	22.5	ESME350LGC334MEE0U			68,000	89 × 140	0.30	18.0	ESME101LGC683MFE0U
	470,000	89 × 140	1.00	28.3	ESME350LGC474MFE0U							

◆RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

- 1 7									
Rated voltage	Case diameter	Frequency (Hz)							
(V _{dc})	(mm)	50	120	300	1k	10k	50k		
10 to 50	φ35 to φ89	0.95	1.00	1.03	1.05	1.09	1.12		
63 & 80	φ35	0.90	1.00	1.06	1.10	1.18	1.22		
	φ50 to φ89	0.95	1.00	1.03	1.05	1.09	1.12		
	φ35	0.82	1.00	1.12	1.22	1.30	1.33		
100	φ50	0.90	1.00	1.06	1.10	1.18	1.22		
	φ63.5 to φ89	0.95	1.00	1.03	1.05	1.09	1.12		

The deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.



- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
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In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

Part Numbering System
Part Numbering System (Appendix)
Standardization
Available Items by Manufacturing Locations
Environmental Measures
Technical Note
Precautions and Guidelines
Recommended Soldering Conditions
Taping, Lead-preforming and Packaging
Available Terminals for Snap-in and Screw Mount Type