

KMH Series

- Endurance with ripple current : 2,000 hours at 105°C
- RoHS2 Compliant

KMH

105°C

SME

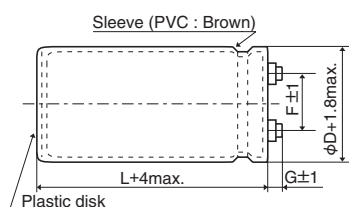


SPECIFICATIONS

Items	Characteristics						
Category							
Temperature Range	-40 to +105°C (10 to 100V _{dc}) -25 to +105°C (160 to 400V _{dc})						
Rated Voltage Range	10 to 400V _{dc}						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Leakage Current	I=0.02CV or 5mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), 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 10 to 100V _{dc} : C(-40°C)/C(+20°C) ≥ 0.6 160 to 400V _{dc} : C(-25°C)/C(+20°C) ≥ 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 100MΩ.						
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	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 2,000 hours at 105°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤ ±20% of the initial value</td></tr> <tr> <td>D.F. (tan δ)</td><td>≤ 200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤ The initial specified value</td></tr> </table>	Capacitance change	≤ ±20% of the initial value	D.F. (tan δ)	≤ 200% of the initial specified value	Leakage current	≤ The initial specified value
Capacitance change	≤ ±20% of the initial value						
D.F. (tan δ)	≤ 200% of the initial specified value						
Leakage current	≤ The initial specified value						
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4. <table border="1"> <tr> <td>Capacitance change</td><td>≤ ±20% of the initial value</td></tr> <tr> <td>D.F. (tan δ)</td><td>≤ 200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤ The initial specified value</td></tr> </table>	Capacitance change	≤ ±20% of the initial value	D.F. (tan δ)	≤ 200% of the initial specified value	Leakage current	≤ The initial specified value
Capacitance change	≤ ±20% of the initial value						
D.F. (tan δ)	≤ 200% of the initial specified value						
Leakage current	≤ The initial specified value						

DIMENSIONS (Screw-Mount) [mm]

Terminal Code : LG



φ35 to φ63.5 : G=6
φ76.2 & φ89 : G=5

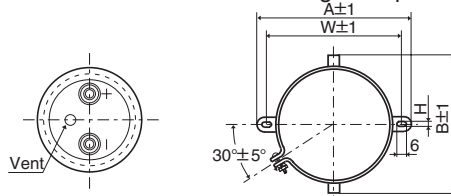
<Screw specifications>

Plus hexagon-headed screw : M5×0.8×10

Maximum screw tightening torque : 3.23Nm

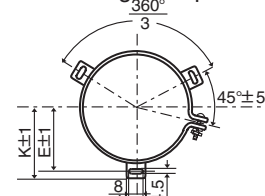
* The screw and the mounting clamp are separately supplied and not attached to the product.

Mounting Clamp Code : B



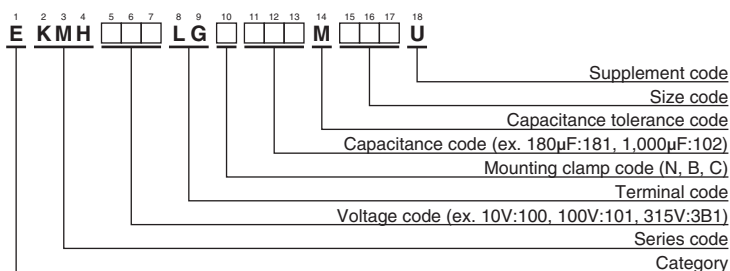
φD	A	B	W	H	F
35	58.0	44.0	48.0	3.5	12.7
50	78.0	64.0	68.0	4.5	22.4
63.5	90.0	76.0	80.0	4.5	28.0
76.2	104.5	90.0	93.5	4.5	31.5

Mounting Clamp Code : C



φD	E	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

PART NUMBERING SYSTEM



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



◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
10	27,000	35 × 50	0.45	4.90	EKM100LGB273MA50U
	33,000	35 × 50	0.50	5.10	EKM100LGB333MA50U
	39,000	35 × 60	0.50	5.90	EKM100LGB393MA60U
	47,000	35 × 80	0.50	7.10	EKM100LGB473MA80U
	56,000	35 × 80	0.60	7.10	EKM100LGB563MA80U
	68,000	35 × 100	0.60	8.50	EKM100LGB683MAA0U
	82,000	35 × 100	0.65	8.90	EKM100LGB823MAA0U
	100,000	35 × 120	0.65	10.7	EKM100LGB104MAC0U
	120,000	50 × 80	0.75	11.0	EKM100LGC124MC80U
	150,000	50 × 100	0.80	13.2	EKM100LGC154MCA0U
	180,000	50 × 120	0.80	15.7	EKM100LGC184MCC0U
	220,000	50 × 120	0.85	16.8	EKM100LGC224MCC0U
	270,000	63.5 × 120	1.00	19.6	EKM100LGC274MDC0U
	330,000	63.5 × 120	1.20	19.7	EKM100LGC334MDC0U
	390,000	76.2 × 120	1.50	21.3	EKM100LGC394MCC0U
	470,000	76.2 × 120	1.80	21.4	EKM100LGC474MEC0U
16	560,000	76.2 × 140	2.00	23.6	EKM100LGC564MEE0U
	680,000	89 × 140	2.40	26.0	EKM100LGC684MFE0U
	18,000	35 × 50	0.40	4.20	EKM160LGB183MA50U
	22,000	35 × 50	0.40	4.70	EKM160LGB223MA50U
	27,000	35 × 60	0.40	5.50	EKM160LGB273MA60U
	33,000	35 × 60	0.45	5.70	EKM160LGB333MA60U
	39,000	35 × 80	0.45	6.80	EKM160LGB393MA80U
	47,000	35 × 80	0.50	7.10	EKM160LGB473MA80U
	56,000	35 × 100	0.50	8.40	EKM160LGB563MAA0U
	68,000	35 × 100	0.55	8.80	EKM160LGB683MAA0U
	82,000	50 × 80	0.55	10.7	EKM160LGC823MC80U
	100,000	50 × 80	0.65	10.8	EKM160LGC104MC80U
	120,000	50 × 100	0.65	13.1	EKM160LGC124MCA0U
	150,000	50 × 120	0.70	15.3	EKM160LGC154MCC0U
	180,000	50 × 120	0.80	15.7	EKM160LGC184MCC0U
	220,000	63.5 × 120	0.85	19.2	EKM160LGC224MDC0U
25	270,000	63.5 × 120	1.00	19.6	EKM160LGC274MDC0U
	330,000	76.2 × 120	1.30	21.1	EKM160LGC334MEC0U
	390,000	76.2 × 120	1.50	21.3	EKM160LGC394MEC0U
	470,000	76.2 × 140	1.60	24.2	EKM160LGC474MEE0U
	560,000	89 × 140	2.00	28.1	EKM160LGC564MFE0U
	680,000	89 × 140	2.40	28.5	EKM160LGC684MFE0U
	12,000	35 × 50	0.35	3.70	EKM250LGB123MA50U
	15,000	35 × 50	0.35	4.10	EKM250LGB153MA50U
	18,000	35 × 60	0.35	4.80	EKM250LGB183MA60U
	22,000	35 × 60	0.35	5.30	EKM250LGB223MA60U
	27,000	35 × 80	0.35	6.40	EKM250LGB273MA80U
	33,000	35 × 80	0.40	6.70	EKM250LGB333MA80U
	39,000	35 × 100	0.40	7.80	EKM250LGB393MAA0U
	47,000	35 × 120	0.40	9.30	EKM250LGB473MAC0U
	56,000	50 × 80	0.45	9.70	EKM250LGB563MC80U
	68,000	50 × 100	0.45	11.2	EKM250LGC683MCA0U
35	82,000	50 × 100	0.50	11.2	EKM250LGC823MCA0U
	100,000	50 × 120	0.50	14.8	EKM250LGC104MCC0U
	120,000	63.5 × 100	0.65	14.9	EKM250LGC124MDA0U
	150,000	63.5 × 120	0.65	17.9	EKM250LGC154MDC0U
	180,000	63.5 × 120	0.80	17.9	EKM250LGC184MDC0U
	220,000	76.2 × 120	0.85	21.3	EKM250LGC224MEC0U
	270,000	76.2 × 120	1.00	21.7	EKM250LGC274MEC0U
	330,000	76.2 × 140	1.20	23.4	EKM250LGC334MEE0U
	390,000	89 × 140	1.50	24.9	EKM250LGC394MFE0U
	8,200	35 × 50	0.30	3.30	EKM350LGB822MA50U
	10,000	35 × 50	0.30	3.60	EKM350LGB103MA50U
	12,000	35 × 60	0.30	4.20	EKM350LGB123MA60U
	15,000	35 × 60	0.30	4.70	EKM350LGB153MA60U
	18,000	35 × 80	0.30	5.70	EKM350LGB183MA80U
	22,000	35 × 80	0.30	6.30	EKM350LGB223MA80U
	27,000	35 × 100	0.30	7.50	EKM350LGB273MAA0U
50	33,000	35 × 120	0.30	9.00	EKM350LGB333MAC0U
	39,000	50 × 80	0.35	9.20	EKM350LGC393MC80U
	47,000	50 × 100	0.35	11.2	EKM350LGC473MCA0U
	56,000	50 × 100	0.40	11.4	EKM350LGC563MCA0U
	68,000	50 × 120	0.40	13.6	EKM350LGC683MCC0U
	82,000	63.5 × 100	0.45	14.8	EKM350LGC823MDA0U
	100,000	63.5 × 120	0.45	17.6	EKM350LGC104MDC0U
	120,000	63.5 × 120	0.55	17.6	EKM350LGC124MDC0U
	150,000	76.2 × 120	0.65	19.8	EKM350LGC154MEC0U
	180,000	76.2 × 120	0.80	19.8	EKM350LGC184MEC0U
	220,000	76.2 × 140	0.80	23.4	EKM350LGC224MEE0U
	270,000	89 × 140	1.00	25.5	EKM350LGC274MFE0U
	3,900	35 × 50	0.20	2.80	EKM500LGB392MA50U
	4,700	35 × 50	0.20	3.10	EKM500LGB472MA50U
	5,600	35 × 50	0.20	3.30	EKM500LGB562MA50U
	6,800	35 × 50	0.25	3.30	EKM500LGB682MA50U
63	8,200	35 × 60	0.25	3.80	EKM500LGB822MA60U
	10,000	35 × 80	0.25	4.60	EKM500LGB823MA80U
	12,000	35 × 80	0.25	5.10	EKM500LGB123MA80U
	15,000	35 × 80	0.25	5.70	EKM500LGB153MA80U
	18,000	35 × 100	0.25	6.70	EKM500LGB183MAA0U
	22,000	35 × 120	0.25	8.10	EKM500LGB223MAC0U
	27,000	50 × 80	0.25	9.10	EKM500LGC273MC80U
	33,000	50 × 100	0.25	11.1	EKM500LGC333MCA0U
	39,000	50 × 120	0.25	13.1	EKM500LGC393MCC0U
	47,000	50 × 120	0.30	13.9	EKM500LGC473MCC0U
	56,000	63.5 × 100	0.35	13.9	EKM500LGC563MDA0U
	68,000	63.5 × 120	0.35	16.6	EKM500LGC683MDC0U
	82,000	76.2 × 120	0.40	18.9	EKM500LGC823MEC0U
	100,000	76.2 × 120	0.45	19.5	EKM500LGC104MEC0U
	120,000	76.2 × 120	0.55	19.5	EKM500LGC124MEC0U
	150,000	89 × 140	0.60	23.9	EKM500LGC154MFE0U
80	180,000	89 × 140	0.75	23.9	EKM500LGC184MFE0U
	2,700	35 × 50	0.20	2.30	EKM630LGB272MA50U
	3,300	35 × 50	0.20	2.50	EKM630LGB332MA50U
	3,900	35 × 50	0.20	2.80	EKM630LGB392MA50U
	4,700	35 × 50	0.20	3.10	EKM630LGB472MA50U
	5,600	35 × 60	0.20	3.50	EKM630LGB562MA60U
	6,800	35 × 60	0.20	3.90	EKM630LGB682MA60U
	8,200	35 × 80	0.20	4.70	EKM630LGB822MA80U
	10,000	35 × 80	0.25	4.70	EKM630LGB103MA80U
	12,000	35 × 100	0.25	5.50	EKM630LGB123MAA0U
	15,000	35 × 120	0.25	6.60	EKM630LGB153MAC0U
	18,000	50 × 80	0.25	7.40	EKM630LGC183MC80U
	22,000	50 × 100	0.25	9.00	EKM630LGC223MCA0U
	27,000	50 × 120	0.25	10.9	EKM630LGC273MCC0U
	33,000	50 × 120	0.25	12.0	EKM630LGC333MCC0U
	39,000	63.5 × 100	0.30	12.5	EKM630LGC393MDA0U
100	47,000	63.5 × 120	0.30	14.9	EKM630LGC473MDC0U
	56,000	63.5 × 120	0.30	16.3	EKM630LGC563MDC0U
	68,000	76.2 × 120	0.35	18.4	EKM630LGC683MEC0U
	82,000	76.2 × 140	0.40	20.0	EKM630LGC823MEE0U
	100,000	76.2 × 140	0.50	20.0	EKM630LGC104MEE0U
	120,000	89 × 140	0.60	21.8	EKM630LGC124MFE0U
	2,200	35 × 50	0.15	2.40	EKM800LGB272MA50U
	2,700	35 × 50	0.15	2.70	EKM800LGB272MA50U
	3,300	35 × 50	0.15	3.00	EKM800LGB332MA50U
	3,900	35 × 60	0.15	3.40	EKM800LGB392MA60U
	4,700	35 × 60	0.15	3.70	EKM800LGB472MA60U
	5,600	35 × 80	0.15	4.50	EKM800LGB562MA80U
	6,800	35 × 80	0.15	4.90	EKM800LGB682MA80U
	8,200	35 × 100	0.20	5.10	EKM800LGB822MAA0U
	10,000	35 × 120	0.20	6.10	EKM800LGB103MAC0U
	12,000	50 × 80	0.20	6.70	EKM800LGC123MC80U
	15,000	50 × 100	0.20	8.30	EKM800LGC153MCA0U
	18,000	50 × 120	0.20	9.90	EKM800LGC183MCC0U
	22,000	50 × 120	0.20	11.0	EKM800LGC223MCC0U
	27,000	63.5 × 100	0.25	11.4	EKM800LGC273MDA0U
	33,000	76.2 × 100	0.25	13.9	EKM800LGC333MEA0U
	39,000	76.2 × 100	0.30	13.9	EKM800LGC393MEA0U



◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
80	47,000	76.2 × 120	0.30	16.5	EKM800LGC473MEC0U	250	330	35 × 50	0.15	0.90	EKM251LGB331MA50U
	56,000	76.2 × 120	0.30	18.1	EKM800LGC563MEC0U		390	35 × 50	0.15	1.00	EKM251LGB391MA50U
	68,000	76.2 × 140	0.35	19.7	EKM800LGC683MEE0U		470	35 × 50	0.15	1.10	EKM251LGB471MA50U
	82,000	89 × 140	0.40	22.1	EKM800LGC823MFE0U		560	35 × 50	0.15	1.20	EKM251LGB561MA50U
100	1,800	35 × 50	0.10	2.70	EKM101LGB182MA50U		680	35 × 60	0.15	1.40	EKM251LGB681MA60U
	2,200	35 × 50	0.10	3.00	EKM101LGB222MA50U		820	35 × 80	0.15	1.60	EKM251LGB821MA80U
	2,700	35 × 60	0.10	3.50	EKM101LGB272MA60U		1,000	35 × 80	0.20	1.60	EKM251LGB102MA80U
	3,300	35 × 80	0.10	4.20	EKM101LGB332MA80U		1,200	35 × 80	0.20	1.80	EKM251LGB122MA80U
	3,900	35 × 80	0.12	4.20	EKM101LGB392MA80U		1,500	35 × 100	0.20	2.10	EKM251LGB152MAA0U
	4,700	35 × 100	0.12	5.00	EKM101LGB472MAA0U		1,800	35 × 120	0.20	2.50	EKM251LGB182MAC0U
	5,600	35 × 100	0.12	5.40	EKM101LGB562MAA0U		2,200	50 × 80	0.20	2.90	EKM251LGB222MC80U
	6,800	35 × 120	0.15	5.80	EKM101LGB682MAC0U		2,700	50 × 100	0.20	3.50	EKM251LGC272MCA0U
	8,200	50 × 80	0.15	6.40	EKM101LGC822MC80U		3,300	50 × 120	0.20	4.20	EKM251LGC332MCC0U
	10,000	50 × 100	0.15	7.80	EKM101LGC103MCA0U		3,900	50 × 120	0.20	4.60	EKM251LGC392MCC0U
	12,000	50 × 120	0.15	9.30	EKM101LGC123MCC0U		4,700	63.5 × 120	0.20	5.70	EKM251LGC472MDC0U
	15,000	50 × 120	0.15	10.4	EKM101LGC153MCC0U		5,600	63.5 × 120	0.20	6.30	EKM251LGC562MDC0U
	18,000	63.5 × 100	0.20	10.4	EKM101LGC183MDA0U		6,800	76.2 × 120	0.20	7.70	EKM251LGC682MEC0U
	22,000	63.5 × 120	0.20	12.5	EKM101LGC223MDC0U		8,200	76.2 × 120	0.20	8.40	EKM251LGC822MEC0U
	27,000	76.2 × 120	0.25	13.7	EKM101LGC273MEC0U		10,000	76.2 × 140	0.20	10.0	EKM251LGC103MEE0U
160	33,000	76.2 × 120	0.25	15.2	EKM101LGC333MEC0U	315	12,000	89 × 140	0.20	11.9	EKM251LGC123MFE0U
	39,000	76.2 × 140	0.30	16.1	EKM101LGC393MEE0U		180	35 × 50	0.10	0.80	EKM315LGB181MA50U
	47,000	89 × 140	0.30	19.3	EKM101LGC473MFE0U		220	35 × 50	0.10	0.90	EKM315LGB221MA50U
	56,000	89 × 140	0.30	21.1	EKM101LGC563MFE0U		270	35 × 50	0.10	1.00	EKM315LGB271MA50U
	560	35 × 50	0.15	1.20	EKM161LGB561MA50U		330	35 × 50	0.10	1.10	EKM315LGB331MA50U
	680	35 × 50	0.15	1.30	EKM161LGB681MA50U		390	35 × 50	0.10	1.20	EKM315LGB391MA50U
	820	35 × 50	0.15	1.40	EKM161LGB821MA50U		470	35 × 60	0.10	1.40	EKM315LGB471MA60U
	1,000	35 × 50	0.15	1.60	EKM161LGB102MA50U		560	35 × 60	0.10	1.50	EKM315LGB561MA60U
	1,200	35 × 60	0.15	1.90	EKM161LGB122MA60U		680	35 × 80	0.10	1.70	EKM315LGB681MA80U
	1,500	35 × 60	0.15	2.10	EKM161LGB152MA60U		820	35 × 80	0.15	1.70	EKM315LGB821MA80U
	1,800	35 × 80	0.15	2.50	EKM161LGB182MA80U		1,000	35 × 100	0.15	2.00	EKM315LGB102MAA0U
	2,200	35 × 80	0.15	2.80	EKM161LGB222MA80U		1,200	35 × 120	0.15	2.40	EKM315LGB122MAC0U
	2,700	35 × 100	0.15	3.30	EKM161LGB272MAA0U		1,500	50 × 80	0.15	2.70	EKM315LGC152MC80U
	3,300	35 × 120	0.15	3.80	EKM161LGB332MAC0U		1,800	50 × 100	0.15	3.30	EKM315LGC182MCA0U
	3,900	50 × 80	0.20	3.80	EKM161LGC392MC80U		2,200	50 × 120	0.15	4.00	EKM315LGC222MCC0U
	4,700	50 × 100	0.20	4.60	EKM161LGC472MCA0U		2,700	50 × 120	0.15	4.40	EKM315LGC272MCC0U
200	5,600	50 × 100	0.20	5.10	EKM161LGC562MCA0U	350	3,300	63.5 × 100	0.15	5.10	EKM315LGC332MDA0U
	6,800	50 × 120	0.20	6.10	EKM161LGC682MCC0U		3,900	63.5 × 120	0.15	6.00	EKM315LGC392MDC0U
	8,200	63.5 × 100	0.20	7.00	EKM161LGC822MDA0U		4,700	76.2 × 100	0.15	6.80	EKM315LGC472MEA0U
	10,000	63.5 × 120	0.20	8.40	EKM161LGC103MDC0U		5,600	76.2 × 120	0.15	8.00	EKM315LGC562MEC0U
	12,000	76.2 × 100	0.20	9.40	EKM161LGC123MEA0U		6,800	76.2 × 130	0.15	9.20	EKM315LGC682MED0U
	15,000	76.2 × 120	0.20	11.4	EKM161LGC153MEC0U		8,200	89 × 140	0.15	11.4	EKM315LGC822MFE0U
	18,000	76.2 × 140	0.20	13.4	EKM161LGC183MEE0U		10,000	89 × 140	0.15	12.6	EKM315LGC103MFE0U
	22,000	89 × 140	0.25	14.5	EKM161LGC223MFE0U	400	180	35 × 50	0.10	0.80	EKM401LGB181MA50U
	27,000	89 × 140	0.25	16.0	EKM161LGC273MFE0U		220	35 × 50	0.10	0.90	EKM401LGB221MA50U
	330	35 × 50	0.15	0.90	EKM201LGB331MA50U		270	35 × 50	0.10	1.00	EKM401LGB271MA50U
	390	35 × 50	0.15	1.00	EKM201LGB391MA50U		330	35 × 50	0.10	1.10	EKM401LGB331MA50U
	470	35 × 50	0.15	1.10	EKM201LGB471MA50U		390	35 × 60	0.10	1.30	EKM401LGB391MA60U
	560	35 × 50	0.15	1.20	EKM201LGB561MA50U		470	35 × 60	0.10	1.40	EKM401LGB471MA60U
	680	35 × 50	0.15	1.30	EKM201LGB681MA50U		560	35 × 80	0.10	1.60	EKM401LGB561MA80U
	820	35 × 50	0.15	1.40	EKM201LGB821MA50U		680	35 × 80	0.15	1.60	EKM401LGB681MA80U
	1,000	35 × 60	0.15	1.70	EKM201LGB102MA60U		820	35 × 100	0.15	1.80	EKM401LGB821MAA0U
	1,200	35 × 60	0.15	1.90	EKM201LGB122MA60U		1,000	35 × 120	0.15	2.20	EKM401LGB122MAC0U
	1,500	35 × 80	0.15	2.30	EKM201LGB152MA80U		1,200	50 × 80	0.15	2.40	EKM401LGC122MC80U
	1,800	35 × 80	0.15	2.50	EKM201LGB182MA80U		1,500	50 × 100	0.15	3.00	EKM401LGC152MCA0U
	2,200	35 × 100	0.15	3.00	EKM201LGB222MAA0U		1,800	50 × 120	0.15	3.60	EKM401LGC182MCC0U
	2,700	35 × 120	0.15	3.60	EKM201LGB272MAC0U		2,200	50 × 120	0.15	4.00	EKM401LGC222MCC0U
250	3,300	50 × 80	0.15	4.10	EKM201LGC332MC80U		2,700	63.5 × 100	0.15	4.60	EKM401LGC272MDA0U
	3,900	50 × 100	0.15	4.90	EKM201LGC392MCA0U		3,900	76.2 × 120	0.15	6.70	EKM401LGC392MEC0U
	4,700	63.5 × 100	0.20	5.30	EKM201LGC472MDA0U		5,600	76.2 × 130	0.15	8.30	EKM401LGC562MED0U
	5,600	63.5 × 100	0.20	5.80	EKM201LGC562MDA0U		6,800	76.2 × 140	0.15	9.50	EKM401LGC682MEE0U
	6,800	63.5 × 120	0.20	6.90	EKM201LGC682MDC0U		8,200	89 × 140	0.15	11.4	EKM401LGC822MFE0U
	8,200	63.5 × 120	0.20	7.60	EKM201LGC822MDC0U		180	35 × 50	0.10	0.80	EKM401LGB181MA50U
	10,000	76.2 × 120	0.20	9.30	EKM201LGC103MEC0U		220	35 × 50	0.10	0.90	EKM401LGB221MA50U
	12,000	76.2 × 120	0.20	10.2	EKM201LGC123MEC0U		270	35 × 50	0.10	1.00	EKM401LGB271MA50U
	15,000	76.2 × 140	0.20	12.2	EKM201LGC153MEE0U		330	35 × 60	0.10	1.20	EKM401LGB331MA60U
	18,000	89 × 140	0.25	13.1	EKM201LGC183MFE0U		390	35 × 60	0.10	1.30	EKM401LGB391MA60U
250	270	35 × 50	0.15	0.80	EKM251LGB271MA50U		470	35 × 80	0.10	1.40	EKM401LGB471MA80U



◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
400	560	35 × 80	0.15	1.40	EKM401LGB561MA80U	400	2,200	63.5 × 100	0.15	4.20	EKM401LGC222MDA0U
	680	35 × 100	0.15	1.70	EKM401LGB681MAA0U		3,300	63.5 × 120	0.15	5.50	EKM401LGC332MDC0U
	820	35 × 120	0.15	2.00	EKM401LGB821MAC0U		4,700	76.2 × 130	0.15	7.60	EKM401LGC472MED0U
	1,000	50 × 80	0.15	2.20	EKM401LGC102MC80U		5,600	89 × 140	0.15	9.40	EKM401LGC562MFE0U
	1,200	50 × 100	0.15	2.70	EKM401LGC122MCA0U		6,800	89 × 140	0.15	10.4	EKM401LGC682MFE0U
	1,500	50 × 120	0.15	3.30	EKM401LGC152MCC0U						

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Rated voltage (V _{dc})	Case diameter (mm)	Frequency (Hz)					
		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
100	φ35	0.82	1.00	1.12	1.22	1.30	1.33
	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
160 to 250	φ35	0.80	1.00	1.19	1.34	1.46	1.52
	φ50 & φ63.5	0.81	1.00	1.14	1.26	1.36	1.41
	φ76.2 & φ89	0.82	1.00	1.12	1.22	1.30	1.33
315 to 400	φ35 to φ89	0.80	1.00	1.19	1.34	1.46	1.52

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.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
- The products listed in this catalog are designed and manufactured for general electronics equipment use and are not intended for use in applications that can adversely affect human life; where the malfunction of equipment may cause damage to life or property. In addition, our products are not intended to be used in specific applications that may cause a major social impact. Please consult with us in advance of usage of our products in the following listed applications. ① Aerospace equipment ② Power generation equipment such as thermal power, nuclear power etc. ③ Medical equipment ④ Transport equipment (automobiles, trains, ships, etc.) ⑤ Transportation control equipment ⑥ Disaster prevention / crime prevention equipment ⑦ Highly publicized information processing equipment ⑧ Submarine equipment ⑨ Other applications that are not considered general-purpose applications.
- The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.
Please make sure that you take appropriate safety measures such as use of redundant design and malfunction prevention measures in order to prevent fatal accidents and/or fires in the event any of our products malfunction.
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- We reserve the right to discontinue production and delivery of products. We do not guarantee that all the products included in this catalog will be available in the future.
The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products
- We continually strive to improve the quality and reliability of our products, but in any case that our product does not meet our published specifications, please stop using it promptly and contact us immediately. As for compensation for non-conforming goods delivered by Chemi-Con, we will limit it only to goods found in non-compliance of our published specifications. This may be accomplished by a no cost replacement of non-conforming individual products, a credit of the piece price paid per each individual non-conforming product, or in other ways deemed necessary.
In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

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[Part Numbering System \(Appendix\)](#)

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