KMH Series

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

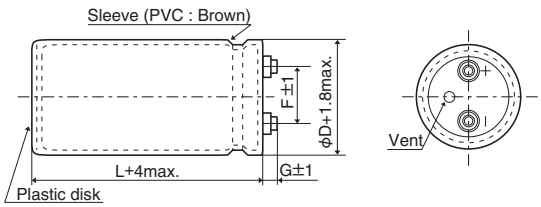
KMH
105℃
SME

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	-40 to +105℃ (10 to 100V_{dc}) -25 to +105℃ (160 to 400V_{dc})
Rated Voltage Range	10 to 400V_{dc}
Capacitance Tolerance	±20% (M) (at 20℃, 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℃ after 5 minutes)
Dissipation Factor (tan δ)	Shall not exceed the values shown in the STANDARD RATINGS (at 20℃, 120Hz)
Low Temperature Characteristics	Capacitance change 10 to 100V_{dc} : C(-40℃)/C(+20℃)≧0.6 160 to 400V_{dc} : C(-25℃)/C(+20℃)≧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℃ 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℃.
	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℃ after exposing them for 500 hours at 105℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.
	Capacitance change : ≦±20% of the initial value
	D.F. (tan δ) : ≦200% of the initial specified value
	Leakage current : ≦The initial specified value

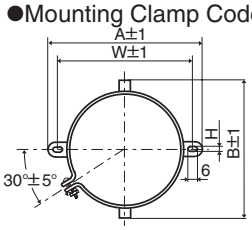
◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code : LG



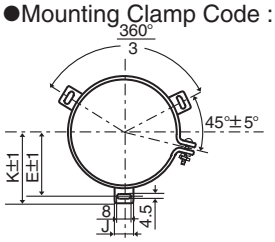
ϕ35 to ϕ63.5 : G=6
ϕ76.2 & ϕ89 : G=5

●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

<Screw specifcations>
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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
E	K	M	H				L	G					M				U

Supplement code
Size code
Capacitance tolerance code
Capacitance code (ex. 180μF:181, 1,000μF:102)
Mounting clamp code (N, B, C)
Terminal code
Voltage code (ex. 10V:100, 100V:101, 315V:3B1)
Series code
Category

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

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KMH Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
10	27,000	35 × 50	0.45	4.90	EKMH100LGB273MA50U
	33,000	35 × 50	0.50	5.10	EKMH100LGB333MA50U
	39,000	35 × 60	0.50	5.90	EKMH100LGB393MA60U
	47,000	35 × 80	0.50	7.10	EKMH100LGB473MA80U
	56,000	35 × 80	0.60	7.10	EKMH100LGB563MA80U
	68,000	35 × 100	0.60	8.50	EKMH100LGB683MAA0U
	82,000	35 × 100	0.65	8.90	EKMH100LGB823MAA0U
	100,000	35 × 120	0.65	10.7	EKMH100LGB104MAC0U
	120,000	50 × 80	0.75	11.0	EKMH100LGC124MC80U
	150,000	50 × 100	0.80	13.2	EKMH100LGC154MCA0U
	180,000	50 × 120	0.80	15.7	EKMH100LGC184MCC0U
	220,000	50 × 120	0.85	16.8	EKMH100LGC224MCC0U
	270,000	63.5 × 120	1.00	19.6	EKMH100LGC274MDC0U
	330,000	63.5 × 120	1.20	19.7	EKMH100LGC334MDC0U
	390,000	76.2 × 120	1.50	21.3	EKMH100LGC394MEC0U
	470,000	76.2 × 120	1.80	21.4	EKMH100LGC474MEC0U
	560,000	76.2 × 140	2.00	23.6	EKMH100LGC564MEE0U
	680,000	89 × 140	2.40	26.0	EKMH100LGC684MFE0U
16	18,000	35 × 50	0.40	4.20	EKMH160LGB183MA50U
	22,000	35 × 50	0.40	4.70	EKMH160LGB223MA50U
	27,000	35 × 60	0.40	5.50	EKMH160LGB273MA60U
	33,000	35 × 60	0.45	5.70	EKMH160LGB333MA60U
	39,000	35 × 80	0.45	6.80	EKMH160LGB393MA80U
	47,000	35 × 80	0.50	7.10	EKMH160LGB473MA80U
	56,000	35 × 100	0.50	8.40	EKMH160LGB563MAA0U
	68,000	35 × 100	0.55	8.80	EKMH160LGB683MAA0U
	82,000	50 × 80	0.55	10.7	EKMH160LGC823MC80U
	100,000	50 × 80	0.65	10.8	EKMH160LGC104MC80U
	120,000	50 × 100	0.65	13.1	EKMH160LGC124MCA0U
	150,000	50 × 120	0.70	15.3	EKMH160LGC154MCC0U
	180,000	50 × 120	0.80	15.7	EKMH160LGC184MCC0U
	220,000	63.5 × 120	0.85	19.2	EKMH160LGC224MDC0U
	270,000	63.5 × 120	1.00	19.6	EKMH160LGC274MDC0U
	330,000	76.2 × 120	1.30	21.1	EKMH160LGC334MEC0U
	390,000	76.2 × 120	1.50	21.3	EKMH160LGC394MEC0U
	470,000	76.2 × 140	1.60	24.2	EKMH160LGC474MEE0U
	560,000	89 × 140	2.00	28.1	EKMH160LGC564MFE0U
	680,000	89 × 140	2.40	28.5	EKMH160LGC684MFE0U
25	12,000	35 × 50	0.35	3.70	EKMH250LGB123MA50U
	15,000	35 × 50	0.35	4.10	EKMH250LGB153MA50U
	18,000	35 × 60	0.35	4.80	EKMH250LGB183MA60U
	22,000	35 × 60	0.35	5.30	EKMH250LGB223MA60U
	27,000	35 × 80	0.35	6.40	EKMH250LGB273MA80U
	33,000	35 × 80	0.40	6.70	EKMH250LGB333MA80U
	39,000	35 × 100	0.40	7.80	EKMH250LGB393MAA0U
	47,000	35 × 120	0.40	9.30	EKMH250LGB473MAC0U
	56,000	50 × 80	0.45	9.70	EKMH250LGC563MC80U
	68,000	50 × 100	0.45	11.2	EKMH250LGC683MCA0U
	82,000	50 × 100	0.50	11.2	EKMH250LGC823MCA0U
	100,000	50 × 120	0.50	14.8	EKMH250LGC104MCC0U
	120,000	63.5 × 100	0.65	14.9	EKMH250LGC124MDA0U
	150,000	63.5 × 120	0.65	17.9	EKMH250LGC154MDC0U
	180,000	63.5 × 120	0.80	17.9	EKMH250LGC184MDC0U
	220,000	76.2 × 120	0.85	21.3	EKMH250LGC224MEC0U
	270,000	76.2 × 120	1.00	21.7	EKMH250LGC274MEC0U
	330,000	76.2 × 140	1.20	23.4	EKMH250LGC334MEE0U
	390,000	89 × 140	1.50	24.9	EKMH250LGC394MFE0U
35	8,200	35 × 50	0.30	3.30	EKMH350LGB822MA50U
	10,000	35 × 50	0.30	3.60	EKMH350LGB103MA50U
	12,000	35 × 60	0.30	4.20	EKMH350LGB123MA60U
	15,000	35 × 60	0.30	4.70	EKMH350LGB153MA60U
	18,000	35 × 80	0.30	5.70	EKMH350LGB183MA80U
	22,000	35 × 80	0.30	6.30	EKMH350LGB223MA80U
	27,000	35 × 100	0.30	7.50	EKMH350LGB273MAA0U
	33,000	35 × 120	0.30	9.00	EKMH350LGB333MAC0U
	39,000	50 × 80	0.35	9.20	EKMH350LGC393MC80U
	47,000	50 × 100	0.35	11.2	EKMH350LGC473MCA0U

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
35	56,000	50 × 100	0.40	11.4	EKMH350LGC563MCA0U
	68,000	50 × 120	0.40	13.6	EKMH350LGC683MCC0U
	82,000	63.5 × 100	0.45	14.8	EKMH350LGC823MDA0U
	100,000	63.5 × 120	0.45	17.6	EKMH350LGC104MDC0U
	120,000	63.5 × 120	0.55	17.6	EKMH350LGC124MDC0U
	150,000	76.2 × 120	0.65	19.8	EKMH350LGC154MEC0U
	180,000	76.2 × 120	0.80	19.8	EKMH350LGC184MEC0U
	220,000	76.2 × 140	0.80	23.4	EKMH350LGC224MEE0U
	270,000	89 × 140	1.00	25.5	EKMH350LGC274MFE0U
50	3,900	35 × 50	0.20	2.80	EKMH500LGB392MA50U
	4,700	35 × 50	0.20	3.10	EKMH500LGB472MA50U
	5,600	35 × 50	0.20	3.30	EKMH500LGB562MA50U
	6,800	35 × 50	0.25	3.30	EKMH500LGB682MA50U
	8,200	35 × 60	0.25	3.80	EKMH500LGB822MA60U
	10,000	35 × 80	0.25	4.60	EKMH500LGB103MA80U
	12,000	35 × 80	0.25	5.10	EKMH500LGB123MA80U
	15,000	35 × 80	0.25	5.70	EKMH500LGB153MA80U
	18,000	35 × 100	0.25	6.70	EKMH500LGB183MAA0U
	22,000	35 × 120	0.25	8.10	EKMH500LGB223MAC0U
	27,000	50 × 80	0.25	9.10	EKMH500LGC273MC80U
	33,000	50 × 100	0.25	11.1	EKMH500LGC333MCA0U
	39,000	50 × 120	0.25	13.1	EKMH500LGC393MCC0U
	47,000	50 × 120	0.30	13.9	EKMH500LGC473MCC0U
	56,000	63.5 × 100	0.35	13.9	EKMH500LGC563MDA0U
	68,000	63.5 × 120	0.35	16.6	EKMH500LGC683MDC0U
	82,000	76.2 × 120	0.40	18.9	EKMH500LGC823MEC0U
	100,000	76.2 × 120	0.45	19.5	EKMH500LGC104MEC0U
	120,000	76.2 × 120	0.55	19.5	EKMH500LGC124MEC0U
	150,000	89 × 140	0.60	23.9	EKMH500LGC154MFE0U
	180,000	89 × 140	0.75	23.9	EKMH500LGC184MFE0U
63	2,700	35 × 50	0.20	2.30	EKMH630LGB272MA50U
	3,300	35 × 50	0.20	2.50	EKMH630LGB332MA50U
	3,900	35 × 50	0.20	2.80	EKMH630LGB392MA50U
	4,700	35 × 50	0.20	3.10	EKMH630LGB472MA50U
	5,600	35 × 60	0.20	3.50	EKMH630LGB562MA60U
	6,800	35 × 60	0.20	3.90	EKMH630LGB682MA60U
	8,200	35 × 80	0.20	4.70	EKMH630LGB822MA80U
	10,000	35 × 80	0.25	4.70	EKMH630LGB103MA80U
	12,000	35 × 100	0.25	5.50	EKMH630LGB123MAA0U
	15,000	35 × 120	0.25	6.60	EKMH630LGB153MAC0U
	18,000	50 × 80	0.25	7.40	EKMH630LGC183MC80U
	22,000	50 × 100	0.25	9.00	EKMH630LGC223MCA0U
	27,000	50 × 120	0.25	10.9	EKMH630LGC273MCC0U
	33,000	50 × 120	0.25	12.0	EKMH630LGC333MCC0U
	39,000	63.5 × 100	0.30	12.5	EKMH630LGC393MDA0U
	47,000	63.5 × 120	0.30	14.9	EKMH630LGC473MDC0U
	56,000	63.5 × 120	0.30	16.3	EKMH630LGC563MDC0U
	68,000	76.2 × 120	0.35	18.4	EKMH630LGC683MEC0U
	82,000	76.2 × 140	0.40	20.0	EKMH630LGC823MEE0U
	100,000	76.2 × 140	0.50	20.0	EKMH630LGC104MEE0U
	120,000	89 × 140	0.60	21.8	EKMH630LGC124MFE0U
80	2,200	35 × 50	0.15	2.40	EKMH800LGB222MA50U
	2,700	35 × 50	0.15	2.70	EKMH800LGB272MA50U
	3,300	35 × 50	0.15	3.00	EKMH800LGB332MA50U
	3,900	35 × 60	0.15	3.40	EKMH800LGB392MA60U
	4,700	35 × 60	0.15	3.70	EKMH800LGB472MA60U
	5,600	35 × 80	0.15	4.50	EKMH800LGB562MA80U
	6,800	35 × 80	0.15	4.90	EKMH800LGB682MA80U
	8,200	35 × 100	0.20	5.10	EKMH800LGB822MAA0U
	10,000	35 × 120	0.20	6.10	EKMH800LGB103MAC0U
	12,000	50 × 80	0.20	6.70	EKMH800LGC123MC80U
	15,000	50 × 100	0.20	8.30	EKMH800LGC153MCA0U
	18,000	50 × 120	0.20	9.90	EKMH800LGC183MCC0U
	22,000	50 × 120	0.20	11.0	EKMH800LGC223MCC0U
	27,000	63.5 × 100	0.25	11.4	EKMH800LGC273MDA0U
	33,000	76.2 × 100	0.25	13.9	EKMH800LGC333MEA0U
	39,000	76.2 × 100	0.30	13.9	EKMH800LGC393MEA0U

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KMH Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
80	47,000	76.2 × 120	0.30	16.5	EKMH800LGC473MEC0U
	56,000	76.2 × 120	0.30	18.1	EKMH800LGC563MEC0U
	68,000	76.2 × 140	0.35	19.7	EKMH800LGC683MEE0U
	82,000	89 × 140	0.40	22.1	EKMH800LGC823MFE0U
100	1,800	35 × 50	0.10	2.70	EKMH101LGB182MA50U
	2,200	35 × 50	0.10	3.00	EKMH101LGB222MA50U
	2,700	35 × 60	0.10	3.50	EKMH101LGB272MA60U
	3,300	35 × 80	0.10	4.20	EKMH101LGB332MA80U
	3,900	35 × 80	0.12	4.20	EKMH101LGB392MA80U
	4,700	35 × 100	0.12	5.00	EKMH101LGB472MAA0U
	5,600	35 × 100	0.12	5.40	EKMH101LGB562MAA0U
	6,800	35 × 120	0.15	5.80	EKMH101LGB682MAC0U
	8,200	50 × 80	0.15	6.40	EKMH101LGC822MC80U
	10,000	50 × 100	0.15	7.80	EKMH101LGC103MCA0U
	12,000	50 × 120	0.15	9.30	EKMH101LGC123MCC0U
	15,000	50 × 120	0.15	10.4	EKMH101LGC153MCC0U
	18,000	63.5 × 100	0.20	10.4	EKMH101LGC183MDA0U
	22,000	63.5 × 120	0.20	12.5	EKMH101LGC223MDC0U
	27,000	76.2 × 120	0.25	13.7	EKMH101LGC273MEC0U
	33,000	76.2 × 120	0.25	15.2	EKMH101LGC333MEC0U
	39,000	76.2 × 140	0.30	16.1	EKMH101LGC393MEE0U
	47,000	89 × 140	0.30	19.3	EKMH101LGC473MFE0U
	56,000	89 × 140	0.30	21.1	EKMH101LGC563MFE0U
160	560	35 × 50	0.15	1.20	EKMH161LGB561MA50U
	680	35 × 50	0.15	1.30	EKMH161LGB681MA50U
	820	35 × 50	0.15	1.40	EKMH161LGB821MA50U
	1,000	35 × 50	0.15	1.60	EKMH161LGB102MA50U
	1,200	35 × 60	0.15	1.90	EKMH161LGB122MA60U
	1,500	35 × 60	0.15	2.10	EKMH161LGB152MA60U
	1,800	35 × 80	0.15	2.50	EKMH161LGB182MA80U
	2,200	35 × 80	0.15	2.80	EKMH161LGB222MA80U
	2,700	35 × 100	0.15	3.30	EKMH161LGB272MAA0U
	3,300	35 × 120	0.15	3.80	EKMH161LGB332MAC0U
	3,900	50 × 80	0.20	3.80	EKMH161LGC392MC80U
	4,700	50 × 100	0.20	4.60	EKMH161LGC472MCA0U
	5,600	50 × 100	0.20	5.10	EKMH161LGC562MCA0U
	6,800	50 × 120	0.20	6.10	EKMH161LGC682MCC0U
	8,200	63.5 × 100	0.20	7.00	EKMH161LGC822MDA0U
	10,000	63.5 × 120	0.20	8.40	EKMH161LGC103MDC0U
	12,000	76.2 × 100	0.20	9.40	EKMH161LGC123MEA0U
	15,000	76.2 × 120	0.20	11.4	EKMH161LGC153MEC0U
	18,000	76.2 × 140	0.20	13.4	EKMH161LGC183MEE0U
	22,000	89 × 140	0.25	14.5	EKMH161LGC223MFE0U
	27,000	89 × 140	0.25	16.0	EKMH161LGC273MFE0U
200	330	35 × 50	0.15	0.90	EKMH201LGB331MA50U
	390	35 × 50	0.15	1.00	EKMH201LGB391MA50U
	470	35 × 50	0.15	1.10	EKMH201LGB471MA50U
	560	35 × 50	0.15	1.20	EKMH201LGB561MA50U
	680	35 × 50	0.15	1.30	EKMH201LGB681MA50U
	820	35 × 50	0.15	1.40	EKMH201LGB821MA50U
	1,000	35 × 60	0.15	1.70	EKMH201LGB102MA60U
	1,200	35 × 60	0.15	1.90	EKMH201LGB122MA60U
	1,500	35 × 80	0.15	2.30	EKMH201LGB152MA80U
	1,800	35 × 80	0.15	2.50	EKMH201LGB182MA80U
	2,200	35 × 100	0.15	3.00	EKMH201LGB222MAA0U
	2,700	35 × 120	0.15	3.60	EKMH201LGB272MAC0U
	3,300	50 × 80	0.15	4.10	EKMH201LGC332MC80U
	3,900	50 × 100	0.15	4.90	EKMH201LGC392MCA0U
	4,700	63.5 × 100	0.20	5.30	EKMH201LGC472MDA0U
	5,600	63.5 × 100	0.20	5.80	EKMH201LGC562MDA0U
	6,800	63.5 × 120	0.20	6.90	EKMH201LGC682MDC0U
	8,200	63.5 × 120	0.20	7.60	EKMH201LGC822MDC0U
	10,000	76.2 × 120	0.20	9.30	EKMH201LGC103MEC0U
	12,000	76.2 × 120	0.20	10.2	EKMH201LGC123MEC0U
	15,000	76.2 × 140	0.20	12.2	EKMH201LGC153MEE0U
	18,000	89 × 140	0.25	13.1	EKMH201LGC183MFE0U
250	270	35 × 50	0.15	0.80	EKMH251LGB271MA50U
250	330	35 × 50	0.15	0.90	EKMH251LGB331MA50U
	390	35 × 50	0.15	1.00	EKMH251LGB391MA50U
	470	35 × 50	0.15	1.10	EKMH251LGB471MA50U
	560	35 × 50	0.15	1.20	EKMH251LGB561MA50U
	680	35 × 60	0.15	1.40	EKMH251LGB681MA60U
	820	35 × 80	0.15	1.60	EKMH251LGB821MA80U
	1,000	35 × 80	0.20	1.60	EKMH251LGB102MA80U
	1,200	35 × 80	0.20	1.80	EKMH251LGB122MA80U
	1,500	35 × 100	0.20	2.10	EKMH251LGB152MAA0U
	1,800	35 × 120	0.20	2.50	EKMH251LGB182MAC0U
	2,200	50 × 80	0.20	2.90	EKMH251LGC222MC80U
	2,700	50 × 100	0.20	3.50	EKMH251LGC272MCA0U
	3,300	50 × 120	0.20	4.20	EKMH251LGC332MCC0U
	3,900	50 × 120	0.20	4.60	EKMH251LGC392MCC0U
	4,700	63.5 × 120	0.20	5.70	EKMH251LGC472MDC0U
	5,600	63.5 × 120	0.20	6.30	EKMH251LGC562MDC0U
	6,800	76.2 × 120	0.20	7.70	EKMH251LGC682MEC0U
	8,200	76.2 × 120	0.20	8.40	EKMH251LGC822MEC0U
	10,000	76.2 × 140	0.20	10.0	EKMH251LGC103MEE0U
	12,000	89 × 140	0.20	11.9	EKMH251LGC123MFE0U
315	180	35 × 50	0.10	0.80	EKMH3B1LGB181MA50U
	220	35 × 50	0.10	0.90	EKMH3B1LGB221MA50U
	270	35 × 50	0.10	1.00	EKMH3B1LGB271MA50U
	330	35 × 50	0.10	1.10	EKMH3B1LGB331MA50U
	390	35 × 50	0.10	1.20	EKMH3B1LGB391MA50U
	470	35 × 60	0.10	1.40	EKMH3B1LGB471MA60U
	560	35 × 60	0.10	1.50	EKMH3B1LGB561MA60U
	680	35 × 80	0.10	1.70	EKMH3B1LGB681MA80U
	820	35 × 80	0.15	1.70	EKMH3B1LGB821MA80U
	1,000	35 × 100	0.15	2.00	EKMH3B1LGB102MAA0U
	1,200	35 × 120	0.15	2.40	EKMH3B1LGB122MAC0U
	1,500	50 × 80	0.15	2.70	EKMH3B1LGC152MC80U
	1,800	50 × 100	0.15	3.30	EKMH3B1LGC182MCA0U
	2,200	50 × 120	0.15	4.00	EKMH3B1LGC222MCC0U
	2,700	50 × 120	0.15	4.40	EKMH3B1LGC272MCC0U
	3,300	63.5 × 100	0.15	5.10	EKMH3B1LGC332MDA0U
	3,900	63.5 × 120	0.15	6.00	EKMH3B1LGC392MDC0U
	4,700	76.2 × 100	0.15	6.80	EKMH3B1LGC472MEA0U
	5,600	76.2 × 120	0.15	8.00	EKMH3B1LGC562MEC0U
	6,800	76.2 × 130	0.15	9.20	EKMH3B1LGC682MED0U
	8,200	89 × 140	0.15	11.4	EKMH3B1LGC822MFE0U
	10,000	89 × 140	0.15	12.6	EKMH3B1LGC103MFE0U
350	180	35 × 50	0.10	0.80	EKMH351LGB181MA50U
	220	35 × 50	0.10	0.90	EKMH351LGB221MA50U
	270	35 × 50	0.10	1.00	EKMH351LGB271MA50U
	330	35 × 50	0.10	1.10	EKMH351LGB331MA50U
	390	35 × 60	0.10	1.30	EKMH351LGB391MA60U
	470	35 × 60	0.10	1.40	EKMH351LGB471MA60U
	560	35 × 80	0.10	1.60	EKMH351LGB561MA80U
	680	35 × 80	0.15	1.60	EKMH351LGB681MA80U
	820	35 × 100	0.15	1.80	EKMH351LGB821MAA0U
	1,000	35 × 120	0.15	2.20	EKMH351LGB102MAC0U
	1,200	50 × 80	0.15	2.40	EKMH351LGC122MC80U
	1,500	50 × 100	0.15	3.00	EKMH351LGC152MCA0U
	1,800	50 × 120	0.15	3.60	EKMH351LGC182MCC0U
	2,200	50 × 120	0.15	4.00	EKMH351LGC222MCC0U
	2,700	63.5 × 100	0.15	4.60	EKMH351LGC272MDA0U
	3,900	76.2 × 120	0.15	6.70	EKMH351LGC392MEC0U
	5,600	76.2 × 130	0.15	8.30	EKMH351LGC562MED0U
	6,800	76.2 × 140	0.15	9.50	EKMH351LGC682MEE0U
	8,200	89 × 140	0.15	11.4	EKMH351LGC822MFE0U
400	180	35 × 50	0.10	0.80	EKMH401LGB181MA50U
	220	35 × 50	0.10	0.90	EKMH401LGB221MA50U
	270	35 × 50	0.10	1.00	EKMH401LGB271MA50U
	330	35 × 60	0.10	1.20	EKMH401LGB331MA60U
	390	35 × 60	0.10	1.30	EKMH401LGB391MA60U
	470	35 × 80	0.10	1.40	EKMH401LGB471MA80U

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KMH Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
400	560	35 × 80	0.15	1.40	EKMH401LGB561MA80U
	680	35 × 100	0.15	1.70	EKMH401LGB681MAA0U
	820	35 × 120	0.15	2.00	EKMH401LGB821MAC0U
	1,000	50 × 80	0.15	2.20	EKMH401LGC102MC80U
	1,200	50 × 100	0.15	2.70	EKMH401LGC122MCA0U
	1,500	50 × 120	0.15	3.30	EKMH401LGC152MCC0U
400	2,200	63.5 × 100	0.15	4.20	EKMH401LGC222MDA0U
	3,300	63.5 × 120	0.15	5.50	EKMH401LGC332MDC0U
	4,700	76.2 × 130	0.15	7.60	EKMH401LGC472MED0U
	5,600	89 × 140	0.15	9.40	EKMH401LGC562MFE0U
	6,800	89 × 140	0.15	10.4	EKMH401LGC682MFE0U

◆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.

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■ 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.

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

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