KMQ Series

- Endurance with ripple current : 2,000 hours at 105℃
- Non solvent resistant type
- RoHS2 Compliant

KMR
↑
Downsized
KMQ

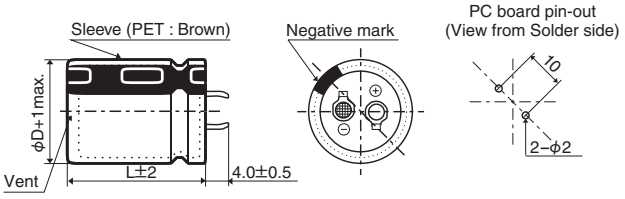


◆SPECIFICATIONS

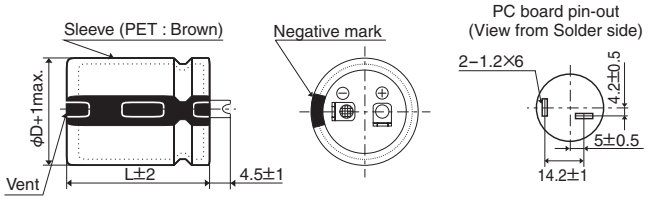
Items	Characteristics							
Category Temperature Range	-40 to +105℃ (35&50Vdc), -25 to +105℃ (160 to 450Vdc)							
Rated Voltage Range	35&50Vdc, 160 to 450Vdc							
Capacitance Tolerance	±20% (M)							(at 20℃, 120Hz)
Leakage Current	I≦3√CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)							(at 20℃ after 5 minutes)
Dissipation Factor (tan δ)	Rated voltage (Vdc)	35V		50V		160 to 250V	315 to 400V	420 & 450V
	Nominal capacitance (μF)	10,000>C	C≧10,000	10,000>C	C≧10,000	—	—	—
	tan δ (Max.)	0.30	0.35	0.25	0.30	0.15	0.15	0.20 (at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (Vdc)	35&50V		160 to 250V		315 to 450V		
	Z(-25℃)/Z(+20℃)	4		4		8		
	Z(-40℃)/Z(+20℃)	10		—		—		(at 120Hz)
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 1,000 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	≦±15% of the initial value						
	D.F. (tan δ)	≦150% of the initial specified value						
	Leakage current	≦The initial specified value						

◆DIMENSIONS [mm]

●Terminal Code : VS (φ22 to φ35) : Standard

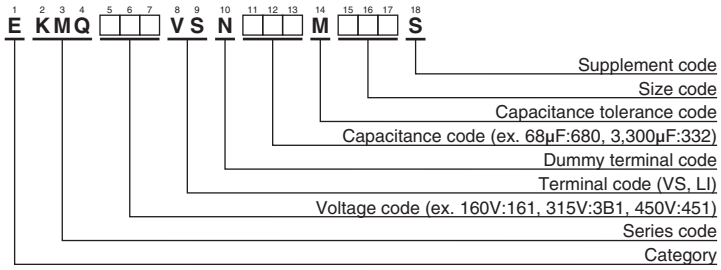


●Terminal Code : LI (φ35)



The standard design has no plastic disc.

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (snap-in type)"

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KMQ Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
35	4,700	22 × 25	0.30	1.87	EKMQ350VSN472MP25S
	5,600	22 × 25	0.30	2.04	EKMQ350VSN562MP25S
	5,600	25.4 × 25	0.30	2.00	EKMQ350VSN562MQ25S
	6,800	22 × 30	0.30	2.36	EKMQ350VSN682MP30S
	6,800	25.4 × 25	0.30	2.21	EKMQ350VSN682MQ25S
	8,200	22 × 35	0.30	2.65	EKMQ350VSN822MP35S
	8,200	25.4 × 30	0.30	2.49	EKMQ350VSN822MQ30S
	8,200	30 × 25	0.30	2.62	EKMQ350VSN822MR25S
	10,000	22 × 40	0.35	3.00	EKMQ350VSN103MP40S
	10,000	25.4 × 35	0.35	2.88	EKMQ350VSN103MQ35S
	10,000	30 × 25	0.35	2.90	EKMQ350VSN103MR25S
	12,000	22 × 50	0.35	3.47	EKMQ350VSN123MP50S
	12,000	25.4 × 35	0.35	3.15	EKMQ350VSN123MQ35S
	12,000	30 × 30	0.35	3.25	EKMQ350VSN123MR30S
	12,000	35 × 25	0.35	3.20	EKMQ350VSN123MA25S
	15,000	25.4 × 40	0.35	3.61	EKMQ350VSN153MQ40S
	15,000	30 × 35	0.35	3.78	EKMQ350VSN153MR35S
	15,000	35 × 25	0.35	3.60	EKMQ350VSN153MA25S
	18,000	25.4 × 50	0.35	4.14	EKMQ350VSN183MQ50S
	18,000	30 × 40	0.35	4.30	EKMQ350VSN183MR40S
	18,000	35 × 30	0.35	4.10	EKMQ350VSN183MA30S
	22,000	30 × 50	0.35	5.00	EKMQ350VSN223MR50S
	22,000	35 × 35	0.35	4.64	EKMQ350VSN223MA35S
	27,000	35 × 40	0.35	5.37	EKMQ350VSN273MA40S
	33,000	35 × 50	0.35	6.00	EKMQ350VSN333MA50S
50	2,700	22 × 25	0.25	1.65	EKMQ500VSN272MP25S
	3,300	22 × 30	0.25	1.92	EKMQ500VSN332MP30S
	3,300	25.4 × 25	0.25	1.76	EKMQ500VSN332MQ25S
	3,900	22 × 30	0.25	2.08	EKMQ500VSN392MP30S
	3,900	25.4 × 25	0.25	2.04	EKMQ500VSN392MQ25S
	4,700	22 × 35	0.25	2.43	EKMQ500VSN472MP35S
	4,700	25.4 × 30	0.25	2.50	EKMQ500VSN472MQ30S
	4,700	30 × 25	0.25	2.29	EKMQ500VSN472MR25S
	5,600	22 × 40	0.25	2.63	EKMQ500VSN562MP40S
	5,600	25.4 × 35	0.25	2.61	EKMQ500VSN562MQ35S
	5,600	30 × 25	0.25	2.80	EKMQ500VSN562MR25S
	6,800	22 × 50	0.25	3.05	EKMQ500VSN682MP50S
	6,800	25.4 × 40	0.25	2.94	EKMQ500VSN682MQ40S
	6,800	30 × 30	0.25	3.30	EKMQ500VSN682MR30S
	6,800	35 × 25	0.25	2.77	EKMQ500VSN682MA25S
	8,200	25.4 × 45	0.25	3.60	EKMQ500VSN822MQ45S
	8,200	30 × 35	0.25	3.60	EKMQ500VSN822MR35S
	8,200	35 × 30	0.25	3.60	EKMQ500VSN822MA30S
	10,000	25.4 × 50	0.30	4.00	EKMQ500VSN103MQ50S
	10,000	30 × 40	0.30	4.00	EKMQ500VSN103MR40S
	10,000	35 × 30	0.30	4.00	EKMQ500VSN103MA30S
	12,000	30 × 50	0.30	4.29	EKMQ500VSN123MR50S
	12,000	35 × 35	0.30	4.37	EKMQ500VSN123MA35S
	15,000	35 × 40	0.30	4.50	EKMQ500VSN153MA40S
	18,000	35 × 50	0.30	5.30	EKMQ500VSN183MA50S
160	470	22 × 25	0.15	1.40	EKMQ161VSN471MP25S
	560	22 × 30	0.15	1.50	EKMQ161VSN561MP30S
	680	22 × 30	0.15	1.70	EKMQ161VSN681MP30S
	680	25.4 × 25	0.15	1.70	EKMQ161VSN681MQ25S
	820	22 × 35	0.15	2.00	EKMQ161VSN821MP35S
	820	25.4 × 30	0.15	2.00	EKMQ161VSN821MQ30S
	820	30 × 25	0.15	2.00	EKMQ161VSN821MR25S
	1,000	22 × 40	0.15	2.20	EKMQ161VSN102MP40S
	1,000	25.4 × 35	0.15	2.20	EKMQ161VSN102MQ35S
	1,000	30 × 25	0.15	2.20	EKMQ161VSN102MR25S
	1,200	25.4 × 40	0.15	2.30	EKMQ161VSN122MQ40S
	1,200	30 × 30	0.15	2.30	EKMQ161VSN122MR30S
	1,200	35 × 25	0.15	2.30	EKMQ161VSN122MA25S
	1,500	25.4 × 45	0.15	2.50	EKMQ161VSN152MQ45S
	1,500	30 × 35	0.15	2.50	EKMQ161VSN152MR35S
	1,500	35 × 30	0.15	2.50	EKMQ161VSN152MA30S
	1,800	25.4 × 50	0.15	2.70	EKMQ161VSN182MQ50S
160	1,800	30 × 40	0.15	2.70	EKMQ161VSN182MR40S
	1,800	35 × 30	0.15	2.70	EKMQ161VSN182MA30S
	2,200	30 × 45	0.15	2.90	EKMQ161VSN222MR45S
	2,200	35 × 35	0.15	2.90	EKMQ161VSN222MA35S
	2,700	30 × 50	0.15	3.10	EKMQ161VSN272MR50S
	2,700	35 × 40	0.15	3.10	EKMQ161VSN272MA40S
	3,300	35 × 50	0.15	3.30	EKMQ161VSN332MA50S
180	390	22 × 25	0.15	1.30	EKMQ181VSN391MP25S
	470	22 × 30	0.15	1.40	EKMQ181VSN471MP30S
	560	22 × 30	0.15	1.50	EKMQ181VSN561MP30S
	560	25.4 × 25	0.15	1.50	EKMQ181VSN561MQ25S
	680	22 × 35	0.15	1.70	EKMQ181VSN681MP35S
	680	25.4 × 30	0.15	1.70	EKMQ181VSN681MQ30S
	820	22 × 40	0.15	2.00	EKMQ181VSN821MP40S
	820	25.4 × 30	0.15	2.00	EKMQ181VSN821MQ30S
	820	30 × 25	0.15	2.00	EKMQ181VSN821MR25S
	1,000	22 × 45	0.15	2.20	EKMQ181VSN102MP45S
	1,000	25.4 × 40	0.15	2.20	EKMQ181VSN102MQ40S
	1,000	30 × 30	0.15	2.20	EKMQ181VSN102MR30S
	1,000	35 × 25	0.15	2.20	EKMQ181VSN102MA25S
	1,200	25.4 × 45	0.15	2.30	EKMQ181VSN122MQ45S
	1,200	30 × 35	0.15	2.30	EKMQ181VSN122MR35S
	1,200	35 × 30	0.15	2.30	EKMQ181VSN122MA30S
	1,500	25.4 × 50	0.15	2.50	EKMQ181VSN152MQ50S
	1,500	30 × 40	0.15	2.50	EKMQ181VSN152MR40S
	1,500	35 × 30	0.15	2.50	EKMQ181VSN152MA30S
	1,800	30 × 45	0.15	2.70	EKMQ181VSN182MR45S
	1,800	35 × 35	0.15	2.70	EKMQ181VSN182MA35S
	2,200	30 × 50	0.15	2.90	EKMQ181VSN222MR50S
	2,200	35 × 40	0.15	2.90	EKMQ181VSN222MA40S
	2,700	35 × 50	0.15	3.10	EKMQ181VSN272MA50S
200	390	22 × 25	0.15	1.31	EKMQ201VSN391MP25S
	470	22 × 30	0.15	1.45	EKMQ201VSN471MP30S
	560	22 × 30	0.15	1.67	EKMQ201VSN561MP30S
	560	25.4 × 25	0.15	1.67	EKMQ201VSN561MQ25S
	680	22 × 40	0.15	1.75	EKMQ201VSN681MP40S
	680	25.4 × 30	0.15	1.75	EKMQ201VSN681MQ30S
	820	22 × 45	0.15	2.04	EKMQ201VSN821MP45S
	820	25.4 × 35	0.15	2.04	EKMQ201VSN821MQ35S
	820	30 × 25	0.15	2.04	EKMQ201VSN821MR25S
	1,000	22 × 50	0.15	2.30	EKMQ201VSN102MP50S
	1,000	25.4 × 45	0.15	2.30	EKMQ201VSN102MQ45S
	1,000	30 × 30	0.15	2.30	EKMQ201VSN102MR30S
	1,000	35 × 25	0.15	2.30	EKMQ201VSN102MA25S
	1,200	25.4 × 50	0.15	2.65	EKMQ201VSN122MQ50S
	1,200	30 × 35	0.15	2.65	EKMQ201VSN122MR35S
	1,200	35 × 30	0.15	2.65	EKMQ201VSN122MA30S
	1,500	30 × 40	0.15	2.80	EKMQ201VSN152MR40S
	1,500	35 × 30	0.15	2.80	EKMQ201VSN152MA30S
	1,800	30 × 45	0.15	3.08	EKMQ201VSN182MR45S
	1,800	35 × 40	0.15	3.08	EKMQ201VSN182MA40S
	2,200	35 × 45	0.15	3.48	EKMQ201VSN222MA45S
250	220	22 × 25	0.15	1.00	EKMQ251VSN221MP25S
	270	22 × 25	0.15	1.10	EKMQ251VSN271MP25S
	330	22 × 30	0.15	1.20	EKMQ251VSN331MP30S
	330	25.4 × 25	0.15	1.20	EKMQ251VSN331MQ25S
	390	22 × 35	0.15	1.30	EKMQ251VSN391MP35S
	390	25.4 × 25	0.15	1.30	EKMQ251VSN391MQ25S
	470	22 × 40	0.15	1.40	EKMQ251VSN471MP40S
	470	25.4 × 30	0.15	1.40	EKMQ251VSN471MQ30S
	470	30 × 25	0.15	1.40	EKMQ251VSN471MR25S
	560	22 × 45	0.15	1.50	EKMQ251VSN561MP45S
	560	25.4 × 35	0.15	1.50	EKMQ251VSN561MQ35S
	560	30 × 25	0.15	1.50	EKMQ251VSN561MR25S
	680	22 × 50	0.15	1.70	EKMQ251VSN681MP50S
	680	25.4 × 40	0.15	1.70	EKMQ251VSN681MQ40S
	680	30 × 30	0.15	1.70	EKMQ251VSN681MR30S

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KMQ Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
250	680	35 × 25	0.15	1.70	EKMQ251VSN681MA25S
	820	25.4 × 45	0.15	2.00	EKMQ251VSN821MQ45S
	820	30 × 35	0.15	2.00	EKMQ251VSN821MR35S
	820	35 × 30	0.15	2.00	EKMQ251VSN821MA30S
	1,000	30 × 40	0.15	2.20	EKMQ251VSN102MR40S
	1,000	35 × 30	0.15	2.20	EKMQ251VSN102MA30S
	1,200	30 × 45	0.15	2.30	EKMQ251VSN122MR45S
	1,200	35 × 35	0.15	2.30	EKMQ251VSN122MA35S
	1,500	35 × 45	0.15	2.50	EKMQ251VSN152MA45S
	1,800	35 × 50	0.15	2.70	EKMQ251VSN182MA50S
315	150	22 × 25	0.15	0.82	EKMQ3B1VSN151MP25S
	180	22 × 30	0.15	0.90	EKMQ3B1VSN181MP30S
	220	22 × 30	0.15	1.00	EKMQ3B1VSN221MP30S
	220	25.4 × 25	0.15	1.00	EKMQ3B1VSN221MQ25S
	270	22 × 35	0.15	1.10	EKMQ3B1VSN271MP35S
	270	25.4 × 30	0.15	1.10	EKMQ3B1VSN271MQ30S
	330	22 × 45	0.15	1.20	EKMQ3B1VSN331MP45S
	330	25.4 × 35	0.15	1.20	EKMQ3B1VSN331MQ35S
	330	30 × 25	0.15	1.20	EKMQ3B1VSN331MR25S
	390	22 × 45	0.15	1.30	EKMQ3B1VSN391MP45S
	390	25.4 × 40	0.15	1.30	EKMQ3B1VSN391MQ40S
	390	30 × 30	0.15	1.30	EKMQ3B1VSN391MR30S
	390	35 × 25	0.15	1.30	EKMQ3B1VSN391MA25S
	470	25.4 × 45	0.15	1.40	EKMQ3B1VSN471MQ45S
	470	30 × 35	0.15	1.40	EKMQ3B1VSN471MR35S
	470	35 × 25	0.15	1.40	EKMQ3B1VSN471MA25S
	560	25.4 × 50	0.15	1.50	EKMQ3B1VSN561MQ50S
	560	30 × 40	0.15	1.50	EKMQ3B1VSN561MR40S
	560	35 × 30	0.15	1.50	EKMQ3B1VSN561MA30S
	680	30 × 45	0.15	1.70	EKMQ3B1VSN681MR45S
	680	35 × 35	0.15	1.70	EKMQ3B1VSN681MA35S
	820	30 × 50	0.15	2.00	EKMQ3B1VSN821MR50S
	820	35 × 40	0.15	2.00	EKMQ3B1VSN821MA40S
	1,000	35 × 45	0.15	2.30	EKMQ3B1VSN102MA45S
350	120	22 × 25	0.15	0.75	EKMQ351VSN121MP25S
	150	22 × 30	0.15	0.82	EKMQ351VSN151MP30S
	180	22 × 30	0.15	0.90	EKMQ351VSN181MP30S
	180	25.4 × 25	0.15	0.90	EKMQ351VSN181MQ25S
	220	22 × 35	0.15	1.00	EKMQ351VSN221MP35S
	220	25.4 × 30	0.15	1.00	EKMQ351VSN221MQ30S
	270	22 × 40	0.15	1.10	EKMQ351VSN271MP40S
	270	25.4 × 30	0.15	1.10	EKMQ351VSN271MQ30S
	270	30 × 25	0.15	1.10	EKMQ351VSN271MR25S
	330	22 × 45	0.15	1.20	EKMQ351VSN331MP45S
	330	25.4 × 40	0.15	1.20	EKMQ351VSN331MQ40S
	330	30 × 30	0.15	1.20	EKMQ351VSN331MR30S
	390	25.4 × 45	0.15	1.30	EKMQ351VSN391MQ45S
	390	30 × 35	0.15	1.30	EKMQ351VSN391MR35S
	470	25.4 × 50	0.15	1.40	EKMQ351VSN471MQ50S
	470	30 × 35	0.15	1.40	EKMQ351VSN471MR35S
	470	35 × 30	0.15	1.40	EKMQ351VSN471MA30S
	560	30 × 45	0.15	1.50	EKMQ351VSN561MR45S
	560	35 × 35	0.15	1.50	EKMQ351VSN561MA35S
	680	30 × 50	0.15	1.70	EKMQ351VSN681MR50S
	680	35 × 40	0.15	1.70	EKMQ351VSN681MA40S
	820	35 × 45	0.15	1.90	EKMQ351VSN821MA45S
400	100	22 × 25	0.15	0.70	EKMQ401VSN101MP25S
	120	22 × 30	0.15	0.75	EKMQ401VSN121MP30S
	150	22 × 30	0.15	0.88	EKMQ401VSN151MP30S
	150	25.4 × 25	0.15	0.88	EKMQ401VSN151MQ25S
	180	22 × 35	0.15	0.95	EKMQ401VSN181MP35S
	180	25.4 × 30	0.15	0.95	EKMQ401VSN181MQ30S
	220	22 × 45	0.15	1.10	EKMQ401VSN221MP45S
	220	25.4 × 35	0.15	1.10	EKMQ401VSN221MQ35S
	220	30 × 25	0.15	1.10	EKMQ401VSN221MR25S
	270	22 × 50	0.15	1.22	EKMQ401VSN271MP50S

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
400	270	25.4 × 40	0.15	1.22	EKMQ401VSN271MQ40S
	270	30 × 30	0.15	1.22	EKMQ401VSN271MR30S
	270	35 × 25	0.15	1.22	EKMQ401VSN271MA25S
	330	25.4 × 45	0.15	1.44	EKMQ401VSN331MQ45S
	330	30 × 35	0.15	1.44	EKMQ401VSN331MR35S
	330	35 × 30	0.15	1.44	EKMQ401VSN331MA30S
	390	25.4 × 50	0.15	1.55	EKMQ401VSN391MQ50S
	390	30 × 40	0.15	1.55	EKMQ401VSN391MR40S
	390	35 × 30	0.15	1.55	EKMQ401VSN391MA30S
	470	30 × 45	0.15	1.68	EKMQ401VSN471MR45S
	470	35 × 35	0.15	1.68	EKMQ401VSN471MA35S
	560	30 × 50	0.15	1.90	EKMQ401VSN561MR50S
	560	35 × 40	0.15	1.90	EKMQ401VSN561MA40S
	680	35 × 45	0.15	2.12	EKMQ401VSN681MA45S
420	82	22 × 25	0.20	0.64	EKMQ421VSN820MP25S
	100	22 × 25	0.20	0.66	EKMQ421VSN101MP25S
	100	25.4 × 25	0.20	0.66	EKMQ421VSN101MQ25S
	120	22 × 30	0.20	0.81	EKMQ421VSN121MP30S
	120	25.4 × 25	0.20	0.81	EKMQ421VSN121MQ25S
	150	22 × 35	0.20	0.84	EKMQ421VSN151MP35S
	150	25.4 × 30	0.20	0.84	EKMQ421VSN151MQ30S
	150	30 × 25	0.20	0.84	EKMQ421VSN151MR25S
	180	22 × 40	0.20	0.91	EKMQ421VSN181MP40S
	180	25.4 × 30	0.20	0.91	EKMQ421VSN181MQ30S
	180	30 × 25	0.20	0.91	EKMQ421VSN181MR25S
	220	22 × 45	0.20	1.05	EKMQ421VSN221MP45S
	220	25.4 × 35	0.20	1.05	EKMQ421VSN221MQ35S
	220	30 × 30	0.20	1.05	EKMQ421VSN221MR30S
	220	35 × 25	0.20	1.05	EKMQ421VSN221MA25S
	270	25.4 × 40	0.20	1.25	EKMQ421VSN271MQ40S
	270	30 × 30	0.20	1.25	EKMQ421VSN271MR30S
	270	35 × 25	0.20	1.25	EKMQ421VSN271MA25S
	330	25.4 × 50	0.20	1.42	EKMQ421VSN331MQ50S
	330	30 × 35	0.20	1.42	EKMQ421VSN331MR35S
	330	35 × 30	0.20	1.42	EKMQ421VSN331MA30S
	390	30 × 40	0.20	1.61	EKMQ421VSN391MR40S
	390	35 × 35	0.20	1.61	EKMQ421VSN391MA35S
	470	30 × 45	0.20	1.86	EKMQ421VSN471MR45S
	470	35 × 40	0.20	1.86	EKMQ421VSN471MA40S
	560	35 × 45	0.20	2.10	EKMQ421VSN561MA45S
	680	35 × 50	0.20	2.20	EKMQ421VSN681MA50S
450	68	22 × 25	0.20	0.50	EKMQ451VSN680MP25S
	82	22 × 30	0.20	0.56	EKMQ451VSN820MP30S
	100	22 × 30	0.20	0.64	EKMQ451VSN101MP30S
	100	25.4 × 25	0.20	0.64	EKMQ451VSN101MQ25S
	120	22 × 35	0.20	0.72	EKMQ451VSN121MP35S
	120	25.4 × 30	0.20	0.72	EKMQ451VSN121MQ30S
	150	22 × 40	0.20	0.79	EKMQ451VSN151MP40S
	150	25.4 × 30	0.20	0.79	EKMQ451VSN151MQ30S
	150	30 × 25	0.20	0.79	EKMQ451VSN151MR25S
	180	22 × 45	0.20	0.87	EKMQ451VSN181MP45S
	180	25.4 × 40	0.20	0.87	EKMQ451VSN181MQ40S
	180	30 × 30	0.20	0.87	EKMQ451VSN181MR30S
	220	25.4 × 45	0.20	1.00	EKMQ451VSN221MQ45S
	220	30 × 30	0.20	1.00	EKMQ451VSN221MR30S
	220	35 × 25	0.20	1.00	EKMQ451VSN221MA25S
	270	25.4 × 50	0.20	1.19	EKMQ451VSN271MQ50S
	270	30 × 40	0.20	1.19	EKMQ451VSN271MR40S
	270	35 × 30	0.20	1.19	EKMQ451VSN271MA30S
	330	30 × 45	0.20	1.38	EKMQ451VSN331MR45S
	330	35 × 35	0.20	1.38	EKMQ451VSN331MA35S
	390	30 × 50	0.20	1.55	EKMQ451VSN391MR50S
	390	35 × 40	0.20	1.55	EKMQ451VSN391MA40S
	470	35 × 45	0.20	1.74	EKMQ451VSN471MA45S
	560	35 × 50	0.20	1.90	EKMQ451VSN561MA50S

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

KMQ Series

◆RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Frequency(Hz)	50	120	300	1k	10k	50k
35, 50Vdc	0.95	1.00	1.03	1.05	1.08	1.08
160 to 250Vdc	0.81	1.00	1.17	1.32	1.45	1.50
315 to 450Vdc	0.77	1.00	1.16	1.30	1.41	1.43

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5℃ rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

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