

KMH Series

- Endurance with ripple current : 105°C 2,000 hours
- Non solvent-proof type
- Pb-free design

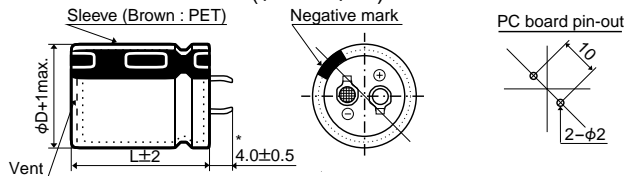


◆SPECIFICATIONS

Items	Characteristics													
Category	-40 to +105°C (6.3 to 100V _{dc}) -25 to 105°C (160 to 450V _{dc})													
Temperature Range														
Rated Voltage Range	6.3 to 450V _{dc}													
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)													
Leakage Current	I=0.02CV or 3mA, 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 (tanδ)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	160 to 250V	315 to 400V	450V	(at 20°C, 120Hz)
	tanδ (Max.)	0.60	0.50	0.40	0.30	0.25	0.20	0.15	0.15	0.15	0.10 *	0.15	0.15	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	160 to 250V	315 to 400V	450V	(at 120Hz)
	Z(-25°C)/Z(+20°C)	4	4	4	3	3	2	2	2	2	4	4	8	
	Z(-40°C)/Z(+20°C)	15	15	15	10	8	6	6	5	5	—	—	—	
	* : 0.15 for φD=35mm or L=20mm													
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 for 2,000 hours at 105°C.													
	Capacitance change	≤±20% of the initial value												
	D.F. (tanδ)	≤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 1,000 hours at 105°C without voltage applied.													
	Capacitance change	≤±20% of the initial value												
	D.F. (tanδ)	≤150% of the initial specified value												
	Leakage current	≤The initial specified value												

◆DIMENSIONS [mm]

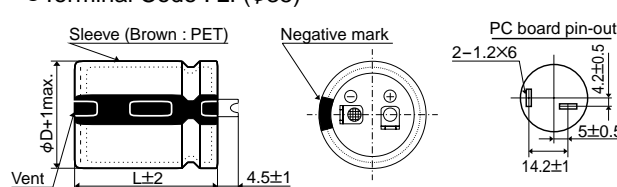
●Terminal Code : VS (φ22 to φ35) : Standard



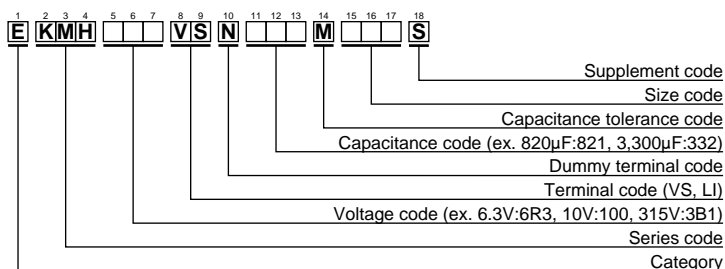
*φD=35mm : 3.5±0.5mm

No plastic disk is the standard design

●Terminal Code : LI (φ35)



◆PART NUMBERING SYSTEM



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◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.		
6.3	12,000	22×25	0.60	1.54	EKMH6R3VSN123MP25S	16	27,000	35×30	0.40	3.45	EKMH160VSN273MA30S		
	15,000	22×25	0.60	1.72	EKMH6R3VSN153MP25S		33,000	30×45	0.40	4.30	EKMH160VSN333MR45S		
	18,000	22×30	0.60	1.95	EKMH6R3VSN183MP30S		33,000	35×35	0.40	4.26	EKMH160VSN333MA35S		
	18,000	25.4×25	0.60	1.96	EKMH6R3VSN183MQ25S		39,000	30×50	0.40	4.81	EKMH160VSN393MR50S		
	22,000	22×35	0.60	2.23	EKMH6R3VSN223MP35S		39,000	35×40	0.40	4.79	EKMH160VSN393MA40S		
	22,000	25.4×30	0.60	2.25	EKMH6R3VSN223MQ30S		47,000	35×45	0.40	5.43	EKMH160VSN473MA45S		
	22,000	30×25	0.60	2.28	EKMH6R3VSN223MR25S		25	4,700	22×25	0.30	1.50	EKMH250VSN472MP25S	
	27,000	22×40	0.60	2.54	EKMH6R3VSN273MP40S			5,600	22×25	0.30	1.63	EKMH250VSN562MP25S	
	27,000	25.4×35	0.60	2.57	EKMH6R3VSN273MQ35S			6,800	22×30	0.30	1.86	EKMH250VSN682MP30S	
	27,000	30×25	0.60	2.52	EKMH6R3VSN273MR25S			6,800	25.4×25	0.30	1.87	EKMH250VSN682MQ25S	
	33,000	22×45	0.60	2.88	EKMH6R3VSN333MP45S			8,200	22×35	0.30	2.11	EKMH250VSN822MP35S	
	33,000	25.4×40	0.60	2.93	EKMH6R3VSN333MQ40S			8,200	25.4×30	0.30	2.12	EKMH250VSN822MQ30S	
	33,000	30×30	0.60	2.89	EKMH6R3VSN333MR30S			8,200	30×25	0.30	2.15	EKMH250VSN822MR25S	
	33,000	35×25	0.60	2.93	EKMH6R3VSN333MA25S			10,000	22×40	0.30	2.39	EKMH250VSN103MP40S	
	39,000	25.4×40	0.60	3.18	EKMH6R3VSN393MQ40S			10,000	25.4×35	0.30	2.42	EKMH250VSN103MQ35S	
	39,000	30×35	0.60	3.26	EKMH6R3VSN393MR35S			10,000	30×25	0.30	2.37	EKMH250VSN103MR25S	
	39,000	35×30	0.60	3.40	EKMH6R3VSN393MA30S			12,000	22×45	0.30	2.69	EKMH250VSN123MP45S	
	47,000	25.4×50	0.60	3.69	EKMH6R3VSN473MQ50S			12,000	25.4×40	0.30	2.74	EKMH250VSN123MQ40S	
	47,000	30×40	0.60	3.69	EKMH6R3VSN473MR40S			12,000	30×30	0.30	2.70	EKMH250VSN123MR30S	
	47,000	35×30	0.60	3.73	EKMH6R3VSN473MA30S			12,000	35×25	0.30	2.74	EKMH250VSN123MA25S	
	56,000	30×45	0.60	4.16	EKMH6R3VSN563MR45S			15,000	25.4×45	0.30	3.15	EKMH250VSN153MQ45S	
	56,000	35×35	0.60	4.12	EKMH6R3VSN563MA35S			15,000	30×35	0.30	3.13	EKMH250VSN153MR35S	
	68,000	30×50	0.60	4.71	EKMH6R3VSN683MR50S			15,000	35×30	0.30	3.27	EKMH250VSN153MA30S	
	68,000	35×40	0.60	4.69	EKMH6R3VSN683MA40S			18,000	25.4×50	0.30	3.54	EKMH250VSN183MQ50S	
	82,000	35×45	0.60	5.32	EKMH6R3VSN823MA45S			18,000	30×40	0.30	3.54	EKMH250VSN183MR40S	
	10	10,000	22×25	0.50	1.55			EKMH100VSN103MP25S	18,000	35×30	0.30	3.58	EKMH250VSN183MA30S
		12,000	22×30	0.50	1.77			EKMH100VSN123MP30S	22,000	30×45	0.30	4.04	EKMH250VSN223MR45S
		15,000	22×30	0.50	1.97			EKMH100VSN153MP30S	22,000	35×35	0.30	3.64	EKMH250VSN223MA35S
15,000		25.4×25	0.50	1.96	EKMH100VSN153MQ25S	27,000		35×45	0.30	4.73	EKMH250VSN273MA45S		
18,000		22×35	0.50	2.21	EKMH100VSN183MP35S	33,000		35×50	0.30	5.39	EKMH250VSN333MA50S		
18,000		25.4×30	0.50	2.23	EKMH100VSN183MQ30S	35		3,300	22×25	0.25	1.40	EKMH350VSN332MP25S	
22,000		22×40	0.50	2.51	EKMH100VSN223MP40S			3,900	22×30	0.25	1.57	EKMH350VSN392MP30S	
22,000		25.4×35	0.50	2.54	EKMH100VSN223MQ35S			4,700	22×30	0.25	1.72	EKMH350VSN472MP30S	
22,000		30×25	0.50	2.40	EKMH100VSN223MR25S			4,700	25.4×25	0.25	1.80	EKMH350VSN472MQ25S	
27,000		22×50	0.50	2.93	EKMH100VSN273MP50S		5,600	22×35	0.25	1.95	EKMH350VSN562MP35S		
27,000		25.4×40	0.50	2.90	EKMH100VSN273MQ40S		5,600	25.4×30	0.25	1.96	EKMH350VSN562MQ30S		
27,000		30×30	0.50	2.87	EKMH100VSN273MR30S		5,600	30×25	0.25	1.99	EKMH350VSN562MR25S		
27,000		35×25	0.50	2.73	EKMH100VSN273MA25S		6,800	22×40	0.25	2.20	EKMH350VSN682MP40S		
33,000		25.4×45	0.50	3.30	EKMH100VSN333MQ45S		6,800	25.4×35	0.25	2.23	EKMH350VSN682MQ35S		
33,000		30×35	0.50	3.28	EKMH100VSN333MR35S		6,800	30×25	0.25	2.19	EKMH350VSN682MR25S		
33,000		35×30	0.50	3.16	EKMH100VSN333MA30S		8,200	22×50	0.25	2.55	EKMH350VSN822MP50S		
39,000		25.4×50	0.50	3.68	EKMH100VSN393MQ50S		8,200	25.4×40	0.25	2.53	EKMH350VSN822MQ40S		
39,000		30×40	0.50	3.69	EKMH100VSN393MR40S		8,200	30×30	0.25	2.75	EKMH350VSN822MR30S		
39,000		35×30	0.50	3.43	EKMH100VSN393MA30S		8,200	35×25	0.25	2.75	EKMH350VSN822MA25S		
47,000		30×45	0.50	4.17	EKMH100VSN473MR45S		10,000	25.4×45	0.25	2.87	EKMH350VSN103MQ45S		
47,000		35×35	0.50	3.76	EKMH100VSN473MA35S		10,000	30×35	0.25	2.90	EKMH350VSN103MR35S		
56,000		30×50	0.50	4.68	EKMH100VSN563MR50S		10,000	35×30	0.25	2.91	EKMH350VSN103MA30S		
56,000		35×40	0.50	4.67	EKMH100VSN563MA40S		12,000	25.4×50	0.25	3.24	EKMH350VSN123MQ50S		
68,000		35×50	0.50	5.46	EKMH100VSN683MA50S		12,000	30×40	0.25	3.23	EKMH350VSN123MR40S		
16		6,800	22×25	0.40	1.57		EKMH160VSN682MP25S	12,000	35×30	0.25	2.99	EKMH350VSN123MA30S	
		10,000	22×30	0.40	1.97		EKMH160VSN103MP30S	15,000	30×45	0.25	3.72	EKMH350VSN153MR45S	
		10,000	25.4×25	0.40	1.97		EKMH160VSN103MQ25S	15,000	35×35	0.25	3.67	EKMH350VSN153MA35S	
		12,000	22×35	0.40	2.22		EKMH160VSN123MP35S	18,000	35×40	0.25	4.37	EKMH350VSN183MA40S	
	12,000	25.4×30	0.40	2.24	EKMH160VSN123MQ30S		22,000	35×50	0.25	4.92	EKMH350VSN223MA50S		
	12,000	30×25	0.40	2.45	EKMH160VSN123MR25S		50	1,800	22×25	0.20	1.33	EKMH500VSN182MP25S	
	15,000	22×40	0.40	2.55	EKMH160VSN153MP40S			2,700	22×30	0.20	1.69	EKMH500VSN272MP30S	
	15,000	25.4×35	0.40	2.58	EKMH160VSN153MQ35S			2,700	25.4×25	0.20	1.70	EKMH500VSN272MQ25S	
	15,000	30×25	0.40	2.52	EKMH160VSN153MR25S			3,300	22×35	0.20	1.93	EKMH500VSN332MP35S	
	18,000	22×45	0.40	2.87	EKMH160VSN183MP45S	3,300		25.4×30	0.20	1.85	EKMH500VSN332MQ30S		
	18,000	25.4×40	0.40	2.92	EKMH160VSN183MQ40S	3,900		22×40	0.20	2.16	EKMH500VSN392MP40S		
	18,000	30×30	0.40	2.88	EKMH160VSN183MR30S	3,900		25.4×35	0.20	2.18	EKMH500VSN392MQ35S		
	18,000	35×25	0.40	2.92	EKMH160VSN183MA25S	3,900		30×25	0.20	1.95	EKMH500VSN392MR25S		
	22,000	25.4×45	0.40	3.32	EKMH160VSN223MQ45S	4,700		22×45	0.20	2.43	EKMH500VSN472MP45S		
	22,000	30×35	0.40	3.29	EKMH160VSN223MR35S	4,700		25.4×35	0.20	2.39	EKMH500VSN472MQ35S		
	22,000	35×25	0.40	3.23	EKMH160VSN223MA25S	4,700		30×30	0.20	2.25	EKMH500VSN472MR30S		
	27,000	25.4×50	0.40	3.78	EKMH160VSN273MQ50S	4,700		35×25	0.20	2.48	EKMH500VSN472MA25S		
	27,000	30×40	0.40	3.77	EKMH160VSN273MR40S	5,600		22×50	0.20	2.75	EKMH500VSN562MP50S		

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◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.
50	5,600	25.4×40	0.20	2.70	EKMH500VSN562MQ40S	100	1,200	25.4×35	0.15	1.71	EKMH101VSN122MQ35S
	5,600	30×35	0.20	2.76	EKMH500VSN562MR35S		1,200	30×25	0.15	1.68	EKMH101VSN122MR25S
	5,600	35×25	0.20	2.70	EKMH500VSN562MA25S		1,500	22×45	0.15	1.94	EKMH101VSN152MP45S
	6,800	25.4×50	0.20	3.30	EKMH500VSN682MQ50S		1,500	25.4×40	0.15	1.98	EKMH101VSN152MQ40S
	6,800	30×40	0.20	3.30	EKMH500VSN682MR40S		1,500	30×30	0.15	1.95	EKMH101VSN152MR30S
	6,800	35×30	0.20	3.25	EKMH500VSN682MA30S		1,500	35×25	0.15	1.98	EKMH101VSN152MA25S
	8,200	30×45	0.20	3.60	EKMH500VSN822MR45S		1,800	25.4×45	0.15	2.23	EKMH101VSN182MQ45S
	8,200	35×35	0.20	3.55	EKMH500VSN822MA35S		1,800	30×35	0.15	2.50	EKMH101VSN182MR35S
	10,000	30×50	0.20	4.04	EKMH500VSN103MR50S		1,800	35×25	0.15	2.17	EKMH101VSN182MA25S
	10,000	35×40	0.20	4.03	EKMH500VSN103MA40S		2,200	25.4×50	0.15	2.53	EKMH101VSN222MQ50S
	12,000	35×45	0.20	4.55	EKMH500VSN123MA45S		2,200	30×40	0.15	2.70	EKMH101VSN222MR40S
	63	1,200	22×25	0.15	1.19		EKMH630VSN122MP25S	2,200	35×30	0.15	2.50
1,500		22×25	0.15	1.33	EKMH630VSN152MP25S	2,700	30×45	0.15	2.88	EKMH101VSN272MR45S	
1,800		22×30	0.15	1.51	EKMH630VSN182MP30S	2,700	35×35	0.15	2.86	EKMH101VSN272MA35S	
1,800		25.4×25	0.15	1.52	EKMH630VSN182MQ25S	3,300	30×50	0.15	3.28	EKMH101VSN332MR50S	
2,200		22×35	0.15	1.73	EKMH630VSN222MP35S	3,300	35×40	0.15	3.27	EKMH101VSN332MA40S	
2,200		25.4×30	0.15	1.74	EKMH630VSN222MQ30S	3,900	35×45	0.15	3.67	EKMH101VSN392MA45S	
2,700		22×40	0.15	1.97	EKMH630VSN272MP40S	4,700	35×50	0.15	3.80	EKMH101VSN472MA50S	
2,700		25.4×35	0.15	1.99	EKMH630VSN272MQ35S	220	22×20	0.15	0.80	EKMH161VSN221MP20S	
2,700		30×25	0.15	1.76	EKMH630VSN272MR25S	270	22×25	0.10	1.09	EKMH161VSN271MP25S	
3,300		22×50	0.15	2.29	EKMH630VSN332MP50S	330	22×25	0.10	1.20	EKMH161VSN331MP25S	
3,300		25.4×40	0.15	2.27	EKMH630VSN332MQ40S	330	25.4×20	0.15	1.02	EKMH161VSN331MQ20S	
3,300		30×30	0.15	2.24	EKMH630VSN332MR30S	390	22×30	0.10	1.30	EKMH161VSN391MP30S	
3,300		35×25	0.15	2.06	EKMH630VSN332MA25S	390	25.4×25	0.10	1.28	EKMH161VSN391MQ25S	
3,900		25.4×45	0.15	2.54	EKMH630VSN392MQ45S	390	30×20	0.15	1.17	EKMH161VSN391MR20S	
3,900		30×35	0.15	2.55	EKMH630VSN392MR35S	470	22×35	0.10	1.40	EKMH161VSN471MP35S	
3,900		35×25	0.15	2.24	EKMH630VSN392MA25S	470	25.4×25	0.10	1.41	EKMH161VSN471MQ25S	
4,700		25.4×50	0.15	2.86	EKMH630VSN472MQ50S	470	30×20	0.15	1.28	EKMH161VSN471MR20S	
4,700		30×40	0.15	2.86	EKMH630VSN472MR40S	560	22×40	0.10	1.50	EKMH161VSN561MP40S	
4,700		35×30	0.15	2.79	EKMH630VSN472MA30S	560	25.4×30	0.10	1.51	EKMH161VSN561MQ30S	
5,600		30×45	0.15	3.22	EKMH630VSN562MR45S	560	30×25	0.10	1.56	EKMH161VSN561MR25S	
5,600		35×35	0.15	3.19	EKMH630VSN562MA35S	560	35×20	0.15	1.54	EKMH161VSN561MA20S	
6,800		30×50	0.15	3.65	EKMH630VSN682MR50S	680	22×45	0.10	1.71	EKMH161VSN681MP45S	
6,800		35×40	0.15	3.64	EKMH630VSN682MA40S	680	25.4×35	0.10	1.70	EKMH161VSN681MQ35S	
8,200		35×45	0.15	3.90	EKMH630VSN822MA45S	680	30×25	0.10	1.72	EKMH161VSN681MR25S	
10,000	35×50	0.15	4.40	EKMH630VSN103MA50S	680	35×20	0.15	1.70	EKMH161VSN681MA20S		
80	820	22×25	0.15	1.11	EKMH800VSN821MP25S	820	22×50	0.10	1.93	EKMH161VSN821MP50S	
	1,000	22×25	0.15	1.22	EKMH800VSN102MP25S	820	25.4×40	0.10	2.01	EKMH161VSN821MQ40S	
	1,200	22×30	0.15	1.38	EKMH800VSN122MP30S	820	30×30	0.10	2.00	EKMH161VSN821MR30S	
	1,200	25.4×25	0.15	1.39	EKMH800VSN122MQ25S	820	35×25	0.15	1.91	EKMH161VSN821MA25S	
	1,500	22×35	0.15	1.59	EKMH800VSN152MP35S	1,000	25.4×45	0.10	2.20	EKMH161VSN102MQ45S	
	1,500	25.4×30	0.15	1.61	EKMH800VSN152MQ30S	1,000	30×35	0.10	2.22	EKMH161VSN102MR35S	
	1,800	22×40	0.15	1.80	EKMH800VSN182MP40S	1,000	35×25	0.15	2.11	EKMH161VSN102MA25S	
	1,800	25.4×30	0.15	1.76	EKMH800VSN182MQ30S	1,200	25.4×50	0.10	2.45	EKMH161VSN122MQ50S	
	1,800	30×25	0.15	1.65	EKMH800VSN182MR25S	1,200	30×40	0.10	2.44	EKMH161VSN122MR40S	
	2,200	22×45	0.15	2.04	EKMH800VSN222MP45S	1,200	35×30	0.15	2.44	EKMH161VSN122MA30S	
	2,200	25.4×35	0.15	2.01	EKMH800VSN222MQ35S	1,500	30×45	0.10	2.82	EKMH161VSN152MR45S	
	2,200	30×30	0.15	2.05	EKMH800VSN222MR30S	1,500	35×35	0.15	2.50	EKMH161VSN152MA35S	
	2,200	35×25	0.15	2.07	EKMH800VSN222MA25S	1,800	30×50	0.10	3.31	EKMH161VSN182MR50S	
	2,700	25.4×45	0.15	2.36	EKMH800VSN272MQ45S	1,800	35×45	0.15	3.31	EKMH161VSN182MA45S	
	2,700	30×35	0.15	2.35	EKMH800VSN272MR35S	2,200	35×50	0.15	3.77	EKMH161VSN222MA50S	
	2,700	35×25	0.15	2.29	EKMH800VSN272MA25S	180	22×20	0.15	0.73	EKMH181VSN181MP20S	
	3,300	25.4×50	0.15	2.68	EKMH800VSN332MQ50S	220	22×20	0.15	0.80	EKMH181VSN221MP20S	
	3,300	30×40	0.15	2.68	EKMH800VSN332MR40S	270	22×25	0.10	0.96	EKMH181VSN271MP25S	
	3,300	35×30	0.15	2.45	EKMH800VSN332MA30S	270	25.4×20	0.15	0.92	EKMH181VSN271MQ20S	
	3,900	30×45	0.15	3.00	EKMH800VSN392MR45S	330	22×25	0.10	1.06	EKMH181VSN331MP25S	
	3,900	35×35	0.15	2.98	EKMH800VSN392MA35S	330	25.4×25	0.10	1.20	EKMH181VSN331MQ25S	
	4,700	30×50	0.15	3.39	EKMH800VSN472MR50S	390	22×30	0.10	1.30	EKMH181VSN391MP30S	
	4,700	35×40	0.15	3.38	EKMH800VSN472MA40S	390	25.4×25	0.10	1.30	EKMH181VSN391MQ25S	
	5,600	35×45	0.15	3.80	EKMH800VSN562MA45S	390	30×20	0.15	1.17	EKMH181VSN391MR20S	
6,800	35×50	0.15	3.90	EKMH800VSN682MA50S	470	22×35	0.10	1.35	EKMH181VSN471MP35S		
100	560	22×25	0.15	1.05	EKMH101VSN561MP25S	470	25.4×30	0.10	1.40	EKMH181VSN471MQ30S	
	820	22×30	0.15	1.32	EKMH101VSN821MP30S	470	30×25	0.10	1.38	EKMH181VSN471MR25S	
	820	25.4×25	0.15	1.33	EKMH101VSN821MQ25S	470	35×20	0.15	1.41	EKMH181VSN471MA20S	
	1,000	22×35	0.15	1.50	EKMH101VSN102MP35S	560	22×40	0.10	1.51	EKMH181VSN561MP40S	
	1,000	25.4×30	0.15	1.51	EKMH101VSN102MQ30S	560	25.4×35	0.10	1.53	EKMH181VSN561MQ35S	
	1,200	22×40	0.15	1.69	EKMH101VSN122MP40S	560	30×25	0.10	1.51	EKMH181VSN561MR25S	

Specifications in this bulletin are subject to change without notice.

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.	
180	560	35×20	0.15	1.53	EKMH181VSN561MA20S	250	390	30×25	0.10	1.37	EKMH251VSN391MR25S	
	680	22×45	0.10	1.71	EKMH181VSN681MP45S		390	35×25	0.15	1.43	EKMH251VSN391MA25S	
	680	25.4×40	0.10	1.74	EKMH181VSN681MQ40S		470	22×50	0.10	1.57	EKMH251VSN471MP50S	
	680	30×30	0.10	1.72	EKMH181VSN681MR30S		470	25.4×40	0.10	1.57	EKMH251VSN471MQ40S	
	680	35×25	0.15	1.74	EKMH181VSN681MA25S		470	30×30	0.10	1.57	EKMH251VSN471MR30S	
	820	22×50	0.10	1.97	EKMH181VSN821MP50S		470	35×25	0.15	1.57	EKMH251VSN471MA25S	
	820	25.4×45	0.10	1.97	EKMH181VSN821MQ45S		560	25.4×45	0.10	1.79	EKMH251VSN561MQ45S	
	820	30×35	0.10	2.00	EKMH181VSN821MR35S		560	30×35	0.10	1.79	EKMH251VSN561MR35S	
	820	35×25	0.15	1.91	EKMH181VSN821MA25S		560	35×30	0.15	1.79	EKMH251VSN561MA30S	
	1,000	25.4×50	0.10	2.23	EKMH181VSN102MQ50S		680	25.4×50	0.10	1.84	EKMH251VSN681MQ50S	
	1,000	30×40	0.10	2.24	EKMH181VSN102MR40S		680	30×40	0.10	2.00	EKMH251VSN681MR40S	
	1,000	35×30	0.15	2.26	EKMH181VSN102MA30S		680	35×30	0.15	1.97	EKMH251VSN681MA30S	
	1,200	30×45	0.10	2.52	EKMH181VSN122MR45S		820	30×45	0.10	2.16	EKMH251VSN821MR45S	
	1,200	35×35	0.15	2.50	EKMH181VSN122MA35S		820	35×35	0.15	1.98	EKMH251VSN821MA35S	
	1,500	30×50	0.10	2.89	EKMH181VSN152MR50S		1,000	35×40	0.15	2.30	EKMH251VSN102MA40S	
	1,500	35×40	0.15	2.89	EKMH181VSN152MA40S		1,200	35×45	0.15	2.43	EKMH251VSN122MA45S	
	1,800	35×40	0.15	3.17	EKMH181VSN182MA40S		68	22×20	0.15	0.44	EKMH3B1VSN680MP20S	
	2,200	35×50	0.15	3.60	EKMH181VSN222MA50S		82	22×25	0.15	0.64	EKMH3B1VSN820MP25S	
	200	150	22×20	0.15	0.66		EKMH201VSN151MP20S	100	22×30	0.15	0.68	EKMH3B1VSN101MP30S
		180	22×20	0.15	0.72		EKMH201VSN181MP20S	100	25.4×20	0.15	0.56	EKMH3B1VSN101MQ20S
220		22×25	0.10	0.79	EKMH201VSN221MP25S	120	22×30	0.15	0.75	EKMH3B1VSN121MP30S		
220		25.4×20	0.15	0.83	EKMH201VSN221MQ20S	120	25.4×25	0.15	0.76	EKMH3B1VSN121MQ25S		
270		22×25	0.10	0.87	EKMH201VSN271MP25S	120	30×20	0.15	0.65	EKMH3B1VSN121MR20S		
270		25.4×25	0.10	1.09	EKMH201VSN271MQ25S	150	22×35	0.15	0.82	EKMH3B1VSN151MP35S		
330		22×30	0.10	1.20	EKMH201VSN331MP30S	150	25.4×30	0.15	0.80	EKMH3B1VSN151MQ30S		
330		25.4×25	0.10	1.21	EKMH201VSN331MQ25S	150	30×25	0.15	0.82	EKMH3B1VSN151MR25S		
330		30×20	0.15	1.08	EKMH201VSN331MR20S	180	22×40	0.15	0.91	EKMH3B1VSN181MP40S		
390		22×35	0.10	1.31	EKMH201VSN391MP35S	180	25.4×30	0.15	0.88	EKMH3B1VSN181MQ30S		
390		25.4×25	0.10	1.31	EKMH201VSN391MQ25S	180	30×25	0.15	0.90	EKMH3B1VSN181MR25S		
390		30×25	0.10	1.37	EKMH201VSN391MR25S	180	35×20	0.15	0.83	EKMH3B1VSN181MA20S		
470		22×40	0.10	1.40	EKMH201VSN471MP40S	220	22×45	0.15	1.02	EKMH3B1VSN221MP45S		
470		25.4×30	0.10	1.41	EKMH201VSN471MQ30S	220	25.4×35	0.15	1.02	EKMH3B1VSN221MQ35S		
470		30×25	0.10	1.50	EKMH201VSN471MR25S	220	30×30	0.15	1.02	EKMH3B1VSN221MR30S		
470		35×20	0.15	1.41	EKMH201VSN471MA20S	220	35×25	0.15	1.03	EKMH3B1VSN221MA25S		
560		22×45	0.10	1.56	EKMH201VSN561MP45S	270	22×50	0.15	1.16	EKMH3B1VSN271MP50S		
560		25.4×35	0.10	1.53	EKMH201VSN561MQ35S	270	25.4×40	0.15	1.15	EKMH3B1VSN271MQ40S		
560		30×25	0.10	1.63	EKMH201VSN561MR25S	270	30×35	0.15	1.17	EKMH3B1VSN271MR35S		
560		35×25	0.15	1.56	EKMH201VSN561MA25S	270	35×25	0.15	1.15	EKMH3B1VSN271MA25S		
680		22×50	0.10	1.74	EKMH201VSN681MP50S	330	25.4×50	0.15	1.33	EKMH3B1VSN331MQ50S		
680		25.4×40	0.10	1.74	EKMH201VSN681MQ40S	330	30×35	0.15	1.30	EKMH3B1VSN331MR35S		
680		30×30	0.10	1.74	EKMH201VSN681MR30S	330	35×30	0.15	1.32	EKMH3B1VSN331MA30S		
680		35×25	0.15	1.72	EKMH201VSN681MA25S	390	30×40	0.15	1.46	EKMH3B1VSN391MR40S		
820		25.4×50	0.10	2.04	EKMH201VSN821MQ50S	390	35×35	0.15	1.47	EKMH3B1VSN391MA35S		
820		30×35	0.10	2.00	EKMH201VSN821MR35S	470	30×50	0.15	1.70	EKMH3B1VSN471MR50S		
820		35×30	0.15	2.04	EKMH201VSN821MA30S	470	35×40	0.15	1.69	EKMH3B1VSN471MA40S		
1,000		30×45	0.10	2.30	EKMH201VSN102MR45S	560	35×45	0.15	1.90	EKMH3B1VSN561MA45S		
1,000	35×35	0.15	2.30	EKMH201VSN102MA35S	680	35×50	0.15	2.15	EKMH3B1VSN681MA50S			
1,200	30×50	0.10	2.60	EKMH201VSN122MR50S	56	22×20	0.15	0.40	EKMH351VSN560MP20S			
1,200	35×40	0.15	2.65	EKMH201VSN122MA40S	68	22×25	0.15	0.51	EKMH351VSN680MP25S			
1,500	35×45	0.15	3.08	EKMH201VSN152MA45S	82	22×25	0.15	0.56	EKMH351VSN820MP25S			
1,800	35×50	0.15	3.47	EKMH201VSN182MA50S	82	25.4×20	0.15	0.51	EKMH351VSN820MQ20S			
250	120	22×20	0.15	0.59	EKMH251VSN121MP20S	100	22×30	0.15	0.69	EKMH351VSN101MP30S		
	150	22×25	0.10	0.71	EKMH251VSN151MP25S	100	25.4×25	0.15	0.69	EKMH351VSN101MQ25S		
	180	22×25	0.10	0.78	EKMH251VSN181MP25S	100	30×20	0.15	0.59	EKMH351VSN101MR20S		
	180	25.4×20	0.15	0.75	EKMH251VSN181MQ20S	120	22×35	0.15	0.75	EKMH351VSN121MP35S		
	220	22×30	0.10	0.95	EKMH251VSN221MP30S	120	25.4×25	0.15	0.75	EKMH351VSN121MQ25S		
	220	25.4×25	0.10	0.95	EKMH251VSN221MQ25S	120	30×20	0.15	0.64	EKMH351VSN121MR20S		
	220	30×20	0.15	0.88	EKMH251VSN221MR20S	150	22×40	0.15	0.82	EKMH351VSN151MP40S		
	270	22×35	0.10	1.14	EKMH251VSN271MP35S	150	25.4×30	0.15	0.83	EKMH351VSN151MQ30S		
	270	25.4×25	0.10	1.05	EKMH251VSN271MQ25S	150	30×25	0.15	0.83	EKMH351VSN151MR25S		
	270	30×20	0.15	0.97	EKMH251VSN271MR20S	150	35×20	0.15	0.76	EKMH351VSN151MA20S		
	330	22×40	0.10	1.26	EKMH251VSN331MP40S	180	22×45	0.15	0.92	EKMH351VSN181MP45S		
	330	25.4×30	0.10	1.20	EKMH251VSN331MQ30S	180	25.4×35	0.15	0.92	EKMH351VSN181MQ35S		
	330	30×25	0.10	1.26	EKMH251VSN331MR25S	180	30×25	0.15	0.91	EKMH351VSN181MR25S		
	330	35×20	0.15	1.18	EKMH251VSN331MA20S	180	35×25	0.15	0.94	EKMH351VSN181MA25S		
	390	22×45	0.10	1.49	EKMH251VSN391MP45S	220	22×50	0.15	1.05	EKMH351VSN221MP50S		
	390	25.4×35	0.10	1.49	EKMH251VSN391MQ35S	220	25.4×40	0.15	1.04	EKMH351VSN221MQ40S		

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◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/105°C,120Hz)	Part No.	
350	220	30×30	0.15	1.02	EKMH351VSN221MR30S	400	270	30×40	0.15	1.21	EKMH401VSN271MR40S	
	220	35×25	0.15	1.04	EKMH351VSN221MA25S		270	35×30	0.15	1.20	EKMH401VSN271MA30S	
	270	25.4×45	0.15	1.18	EKMH351VSN271MQ45S		330	30×45	0.15	1.39	EKMH401VSN331MR45S	
	270	30×35	0.15	1.17	EKMH351VSN271MR35S		330	35×35	0.15	1.35	EKMH401VSN331MA35S	
	270	35×30	0.15	1.20	EKMH351VSN271MA30S		390	30×50	0.15	1.55	EKMH401VSN391MR50S	
	330	30×40	0.15	1.34	EKMH351VSN331MR40S		390	35×40	0.15	1.54	EKMH401VSN391MA40S	
	330	35×30	0.15	1.33	EKMH351VSN331MA30S		470	35×45	0.15	1.74	EKMH401VSN471MA45S	
	390	30×45	0.15	1.51	EKMH351VSN391MR45S		450	56	22×25	0.15	0.40	EKMH451VSN560MP25S
	390	35×35	0.15	1.47	EKMH351VSN391MA35S			68	22×30	0.15	0.50	EKMH451VSN680MP30S
	470	35×40	0.15	1.69	EKMH351VSN471MA40S			68	25.4×25	0.15	0.50	EKMH451VSN680MQ25S
560	35×45	0.15	1.90	EKMH351VSN561MA45S	82	22×35		0.15	0.56	EKMH451VSN820MP35S		
400	47	22×20	0.15	0.37	EKMH401VSN470MP20S	82		25.4×25	0.15	0.55	EKMH451VSN820MQ25S	
	56	22×20	0.15	0.40	EKMH401VSN560MP20S	100		22×40	0.15	0.64	EKMH451VSN101MP40S	
	68	22×25	0.15	0.51	EKMH401VSN680MP25S	100		25.4×30	0.15	0.57	EKMH451VSN101MQ30S	
	68	25.4×20	0.15	0.46	EKMH401VSN680MQ20S	100		30×25	0.15	0.64	EKMH451VSN101MR25S	
	82	22×30	0.15	0.58	EKMH401VSN820MP30S	120		22×45	0.15	0.72	EKMH451VSN121MP45S	
	82	25.4×25	0.15	0.64	EKMH401VSN820MQ25S	120		25.4×35	0.15	0.71	EKMH451VSN121MQ35S	
	100	22×30	0.15	0.64	EKMH401VSN101MP30S	120		30×25	0.15	0.70	EKMH451VSN121MR25S	
	100	25.4×25	0.15	0.67	EKMH401VSN101MQ25S	150		22×50	0.15	0.79	EKMH451VSN151MP50S	
	100	30×20	0.15	0.59	EKMH401VSN101MR20S	150		25.4×40	0.15	0.75	EKMH451VSN151MQ40S	
	120	22×35	0.15	0.72	EKMH401VSN121MP35S	150		30×30	0.15	0.74	EKMH451VSN151MR30S	
	120	25.4×30	0.15	0.72	EKMH401VSN121MQ30S	150		35×25	0.15	0.75	EKMH451VSN151MA25S	
	120	30×25	0.15	0.76	EKMH401VSN121MR25S	180		25.4×45	0.15	0.84	EKMH451VSN181MQ45S	
	150	22×40	0.15	0.82	EKMH401VSN151MP40S	180		30×35	0.15	0.87	EKMH451VSN181MR35S	
	150	25.4×35	0.15	0.84	EKMH401VSN151MQ35S	180		35×30	0.15	0.90	EKMH451VSN181MA30S	
	150	30×25	0.15	0.84	EKMH401VSN151MR25S	220		25.4×50	0.15	0.98	EKMH451VSN221MQ50S	
	150	35×20	0.15	0.76	EKMH401VSN151MA20S	220		30×40	0.15	0.98	EKMH451VSN221MR40S	
	180	22×50	0.15	0.95	EKMH401VSN181MP50S	220		35×30	0.15	1.00	EKMH451VSN221MA30S	
	180	25.4×40	0.15	0.94	EKMH401VSN181MQ40S	270		30×45	0.15	1.15	EKMH451VSN271MR45S	
	180	30×30	0.15	0.92	EKMH401VSN181MR30S	270		35×35	0.15	1.17	EKMH451VSN271MA35S	
	180	35×25	0.15	0.94	EKMH401VSN181MA25S	330		30×50	0.15	1.38	EKMH451VSN331MR50S	
	220	25.4×45	0.15	1.07	EKMH401VSN221MQ45S	330		35×40	0.15	1.38	EKMH451VSN331MA40S	
	220	30×35	0.15	1.06	EKMH401VSN221MR35S	390		35×45	0.15	1.55	EKMH451VSN391MA45S	
	220	35×30	0.15	1.08	EKMH401VSN221MA30S	470		35×50	0.15	1.72	EKMH451VSN471MA50S	
	270	25.4×50	0.15	1.21	EKMH401VSN271MQ50S							

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Frequency (Hz)	50	120	300	1k	10k	50k
6.3 to 50V _{dc}	0.95	1.00	1.03	1.05	1.08	1.08
63 to 100V _{dc}	0.92	1.00	1.07	1.13	1.19	1.20
160 to 250V _{dc}	0.81	1.00	1.17	1.32	1.45	1.50
315 to 450V _{dc}	0.77	1.00	1.16	1.30	1.41	1.43

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