

KMH 系列

标准品

RoHS指令  
适应品

- 保证 105°C 2,000 小时。(叠加纹波电流)
- 请注意不属于基板清洗类型。

KMM p260

小型化  
长寿命化

KMH

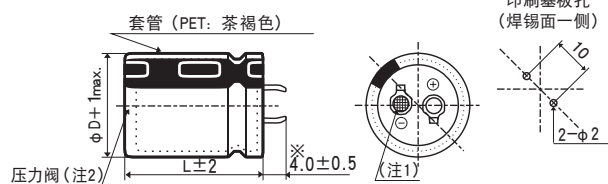


◆规格表

项 目	性 能	
工作温度范围	-40~+105°C	
额定电压范围	6.3~100Vdc	
静电容量容许差	±20%(M) (20°C、120Hz)	
漏电流	I ≤ 0.02CV 或者 3mA 中任意一个较小值 I: 漏电流 (µA)、C: 静电容量 (µF)、额定电压 (Vdc) (20°C、5分值)	
损失角正切值 (tan δ)	额定电压 (Vdc)	6.3V 10V 16V 25V 35V 50V 63V 80V 100V
	tan δ (Max.)	0.60 0.50 0.40 0.30 0.25 0.20 0.15 0.15 0.15 (20°C、120Hz)
温度特性 (阻抗比 Max右表值)	额定电压 (Vdc)	6.3V 10V 16V 25V 35V 50V 63V 80V 100V
	Z(-25°C) / Z(+20°C)	4 4 4 3 3 2 2 2 2
	Z(-40°C) / Z(+20°C)	15 15 15 10 8 6 6 5 5 (120Hz)
耐久性	在105°C环境中, 不超过额定电压的范围下叠加额定纹波电流, 连续加载额定电压2,000小时, 待温度恢复到20°C进行测量时, 应满足以下要求。	
	静电容量变化率	≤ 初始值的±20%
	损失角正切值	≤ 初始规格值的200%
	漏电流	≤ 初始规格值
高温无负荷特性	在105°C环境中, 无负荷放置1,000小时后待温度恢复到20°C, 进行试验前处理 (JIS C 5101-4 4.1项) 后进行测量时, 应满足以下要求。	
	静电容量变化率	≤ 初始值的±20%
	损失角正切值	≤ 初始规格值的150%
	漏电流	≤ 初始规格值

◆尺寸图 (CE692形) [mm]

●端子代码: VS (φ22 ~ φ35): 标准品

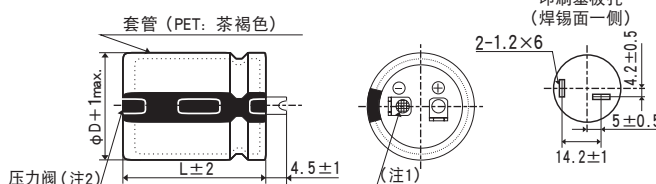


※ φ35 品为 3.5±0.5。

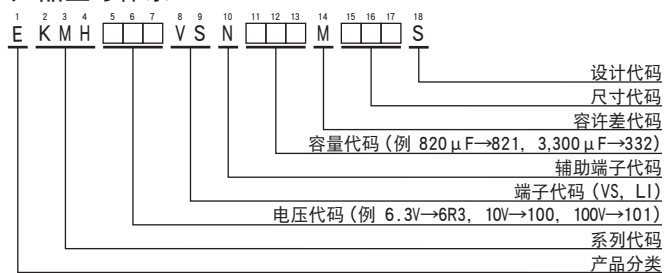
(注1) 阴极端子的铆钉部网眼刻印。

(注2) 标准规格为「无树脂板」。

●端子代码: LI (φ35)



◆产品型号体系



产品型号代码的详细介绍请参考「产品型号表示方法(基板自立型)」。

◆标准品一览表

WV (Vdc)	Cap (μF)	尺寸 φD×L(mm)	tanδ	额定纹波 电流 (Arms/ 105°C, 120Hz)	产品型号	WV (Vdc)	Cap (μF)	尺寸 φD×L(mm)	tanδ	额定纹波 电流 (Arms/ 105°C, 120Hz)	产品型号	
6.3	12,000	22×25	0.60	1.54	EKM6R3VSN123MP25S	16	27,000	35×30	0.40	3.45	EKM160VSN273MA30S	
	15,000	22×25	0.60	1.72	EKM6R3VSN153MP25S		33,000	30×45	0.40	4.30	EKM160VSN333MR45S	
	18,000	22×30	0.60	1.95	EKM6R3VSN183MP30S		33,000	35×35	0.40	4.26	EKM160VSN333MA35S	
	18,000	25.4×25	0.60	1.96	EKM6R3VSN183MQ25S		39,000	30×50	0.40	4.81	EKM160VSN393MR50S	
	22,000	22×35	0.60	2.23	EKM6R3VSN223MP35S		39,000	35×40	0.40	4.79	EKM160VSN393MA40S	
	22,000	25.4×30	0.60	2.25	EKM6R3VSN223MQ30S		47,000	35×45	0.40	5.43	EKM160VSN473MA45S	
	22,000	30×25	0.60	2.28	EKM6R3VSN223MR25S		25	4,700	22×25	0.30	1.50	EKM250VSN472MP25S
	27,000	22×40	0.60	2.54	EKM6R3VSN273MP40S			5,600	22×25	0.30	1.63	EKM250VSN562MP25S
	27,000	25.4×35	0.60	2.57	EKM6R3VSN273MQ35S			6,800	22×30	0.30	1.86	EKM250VSN682MP30S
	27,000	30×25	0.60	2.52	EKM6R3VSN273MR25S			6,800	25.4×25	0.30	1.87	EKM250VSN682MQ25S
	33,000	22×45	0.60	2.88	EKM6R3VSN333MP45S			8,200	22×35	0.30	2.11	EKM250VSN822MP35S
	33,000	25.4×40	0.60	2.93	EKM6R3VSN333MQ40S			8,200	25.4×30	0.30	2.12	EKM250VSN822MQ30S
	33,000	30×30	0.60	2.89	EKM6R3VSN333MP30S			8,200	30×25	0.30	2.15	EKM250VSN822MR25S
	33,000	35×25	0.60	2.93	EKM6R3VSN333MA25S			10,000	22×40	0.30	2.39	EKM250VSN103MP40S
	39,000	25.4×40	0.60	3.18	EKM6R3VSN393MQ40S	10,000		25.4×35	0.30	2.42	EKM250VSN103MQ35S	
	39,000	30×35	0.60	3.26	EKM6R3VSN393MR35S	10,000		30×25	0.30	2.37	EKM250VSN103MR25S	
	39,000	35×30	0.60	3.40	EKM6R3VSN393MA30S	12,000		22×45	0.30	2.69	EKM250VSN123MP45S	
	47,000	25.4×50	0.60	3.69	EKM6R3VSN473MQ50S	12,000		25.4×40	0.30	2.74	EKM250VSN123MQ40S	
	47,000	30×40	0.60	3.69	EKM6R3VSN473MR40S	12,000		30×30	0.30	2.70	EKM250VSN123MR30S	
	47,000	35×30	0.60	3.73	EKM6R3VSN473MA30S	12,000		35×25	0.30	2.74	EKM250VSN123MA25S	
	56,000	30×45	0.60	4.16	EKM6R3VSN563MR45S	15,000	25.4×45	0.30	3.15	EKM250VSN153MQ45S		
	56,000	35×35	0.60	4.12	EKM6R3VSN563MA35S	15,000	30×35	0.30	3.13	EKM250VSN153MR35S		
	68,000	30×50	0.60	4.71	EKM6R3VSN683MR50S	15,000	35×30	0.30	3.27	EKM250VSN153MA30S		
	68,000	35×40	0.60	4.69	EKM6R3VSN683MA40S	18,000	25.4×50	0.30	3.54	EKM250VSN183MQ50S		
	82,000	35×45	0.60	5.32	EKM6R3VSN823MA45S	18,000	30×40	0.30	3.54	EKM250VSN183MR40S		
	10	10,000	22×25	0.50	1.55	EKM100VSN103MP25S	18,000	35×30	0.30	3.58	EKM250VSN183MA30S	
		12,000	22×30	0.50	1.77	EKM100VSN123MP30S	22,000	30×45	0.30	4.04	EKM250VSN223MR45S	
		15,000	22×30	0.50	1.97	EKM100VSN153MP30S	22,000	35×35	0.30	3.64	EKM250VSN223MA35S	
15,000		25.4×25	0.50	1.96	EKM100VSN153MQ25S	27,000	35×45	0.30	4.73	EKM250VSN273MA45S		
18,000		22×35	0.50	2.21	EKM100VSN183MP35S	33,000	35×50	0.30	5.39	EKM250VSN333MA50S		
18,000		25.4×30	0.50	2.23	EKM100VSN183MQ30S	35	3,300	22×25	0.25	1.40	EKM350VSN332MP25S	
22,000		22×40	0.50	2.51	EKM100VSN223MP40S		3,900	22×30	0.25	1.57	EKM350VSN392MP30S	
22,000		25.4×35	0.50	2.54	EKM100VSN223MQ35S		4,700	22×30	0.25	1.72	EKM350VSN472MP30S	
22,000		30×25	0.50	2.40	EKM100VSN223MR25S		4,700	25.4×25	0.25	1.80	EKM350VSN472MQ25S	
27,000		22×50	0.50	2.93	EKM100VSN273MP50S		5,600	22×35	0.25	1.95	EKM350VSN562MP35S	
27,000		25.4×40	0.50	2.90	EKM100VSN273MQ40S		5,600	25.4×30	0.25	1.96	EKM350VSN562MQ30S	
27,000		30×30	0.50	2.87	EKM100VSN273MR30S		5,600	30×25	0.25	1.99	EKM350VSN562MR25S	
27,000		35×25	0.50	2.73	EKM100VSN273MA25S		6,800	22×40	0.25	2.20	EKM350VSN682MP40S	
33,000		25.4×45	0.50	3.30	EKM100VSN333MQ45S		6,800	25.4×35	0.25	2.23	EKM350VSN682MQ35S	
33,000		30×35	0.50	3.28	EKM100VSN333MR35S		6,800	30×25	0.25	2.19	EKM350VSN682MR25S	
33,000		35×30	0.50	3.16	EKM100VSN333MA30S		8,200	22×50	0.25	2.55	EKM350VSN822MP50S	
39,000		25.4×50	0.50	3.68	EKM100VSN393MQ50S		8,200	25.4×40	0.25	2.53	EKM350VSN822MQ40S	
39,000		30×40	0.50	3.69	EKM100VSN393MR40S		8,200	30×30	0.25	2.75	EKM350VSN822MR30S	
39,000		35×30	0.50	3.43	EKM100VSN393MA30S		8,200	35×25	0.25	2.75	EKM350VSN822MA25S	
47,000		30×45	0.50	4.17	EKM100VSN473MR45S	10,000	25.4×45	0.25	2.87	EKM350VSN103MQ45S		
47,000		35×35	0.50	3.76	EKM100VSN473MA35S	10,000	30×35	0.25	2.90	EKM350VSN103MR35S		
56,000		30×50	0.50	4.68	EKM100VSN563MR50S	10,000	35×30	0.25	2.91	EKM350VSN103MA30S		
56,000		35×40	0.50	4.67	EKM100VSN563MA40S	12,000	25.4×50	0.25	3.24	EKM350VSN123MQ50S		
68,000		35×50	0.50	5.46	EKM100VSN683MA50S	12,000	30×40	0.25	3.23	EKM350VSN123MR40S		
16		6,800	22×25	0.40	1.57	EKM160VSN682MP25S	12,000	35×30	0.25	2.99	EKM350VSN123MA30S	
		10,000	22×30	0.40	1.97	EKM160VSN103MP30S	15,000	30×45	0.25	3.72	EKM350VSN153MR45S	
		10,000	25.4×25	0.40	1.97	EKM160VSN103MQ25S	15,000	35×35	0.25	3.67	EKM350VSN153MA35S	
		12,000	22×35	0.40	2.22	EKM160VSN123MP35S	18,000	35×40	0.25	4.37	EKM350VSN183MA40S	
	12,000	25.4×30	0.40	2.24	EKM160VSN123MQ30S	22,000	35×50	0.25	4.92	EKM350VSN223MA50S		
	12,000	30×25	0.40	2.45	EKM160VSN123MR25S	50	1,800	22×25	0.20	1.33	EKM500VSN182MP25S	
	15,000	22×40	0.40	2.55	EKM160VSN153MP40S		2,700	22×30	0.20	1.69	EKM500VSN272MP30S	
	15,000	25.4×35	0.40	2.58	EKM160VSN153MQ35S		2,700	25.4×25	0.20	1.70	EKM500VSN272MQ25S	
	15,000	30×25	0.40	2.52	EKM160VSN153MR25S		3,300	22×35	0.20	1.93	EKM500VSN332MP35S	
	18,000	22×45	0.40	2.87	EKM160VSN183MP45S		3,300	25.4×30	0.20	1.85	EKM500VSN332MQ30S	
	18,000	25.4×40	0.40	2.92	EKM160VSN183MQ40S		3,900	22×40	0.20	2.16	EKM500VSN392MP40S	
	18,000	30×30	0.40	2.88	EKM160VSN183MR30S		3,900	25.4×35	0.20	2.18	EKM500VSN392MQ35S	
	18,000	35×25	0.40	2.92	EKM160VSN183MA25S		3,900	30×25	0.20	1.95	EKM500VSN392MR25S	
	22,000	25.4×45	0.40	3.32	EKM160VSN223MQ45S		4,700	22×45	0.20	2.43	EKM500VSN472MP45S	
	22,000	30×35	0.40	3.29	EKM160VSN223MR35S		4,700	25.4×35	0.20	2.39	EKM500VSN472MQ35S	
	22,000	35×25	0.40	3.23	EKM160VSN223MA25S		4,700	30×30	0.20	2.25	EKM500VSN472MR30S	
	27,000	25.4×50	0.40	3.78	EKM160VSN273MQ50S		4,700	35×25	0.20	2.48	EKM500VSN472MA25S	
	27,000	30×40	0.40	3.77	EKM160VSN273MR40S		5,600	22×50	0.20	2.75	EKM500VSN562MP50S	

KMH 系列

◆标准品一览表

WV (V <sub>dc</sub> )	Cap (μF)	尺寸 φD×L (mm)	tan δ	额定纹波电流 (Arms/105°C, 120Hz)	产品型号	WV (V <sub>dc</sub> )	Cap (μF)	尺寸 φD×L (mm)	tan δ	额定纹波电流 (Arms/105°C, 120Hz)	产品型号
50	5,600	25.4×40	0.20	2.70	EKMH500VSN562MQ40S	80	1,800	25.4×30	0.15	1.76	EKMH800VSN182MQ30S
	5,600	30×35	0.20	2.76	EKMH500VSN562MR35S		1,800	30×25	0.15	1.65	EKMH800VSN182MR25S
	5,600	35×25	0.20	2.70	EKMH500VSN562MA25S		2,200	22×45	0.15	2.04	EKMH800VSN222MP45S
	6,800	25.4×50	0.20	3.30	EKMH500VSN682MQ50S		2,200	25.4×35	0.15	2.01	EKMH800VSN222MQ35S
	6,800	30×40	0.20	3.30	EKMH500VSN682MR40S		2,200	30×30	0.15	2.05	EKMH800VSN222MR30S
	6,800	35×30	0.20	3.25	EKMH500VSN682MA30S		2,200	35×25	0.15	2.07	EKMH800VSN222MA25S
	8,200	30×45	0.20	3.60	EKMH500VSN822MR45S		2,700	25.4×45	0.15	2.36	EKMH800VSN272MQ45S
	8,200	35×35	0.20	3.55	EKMH500VSN822MA35S		2,700	30×35	0.15	2.35	EKMH800VSN272MR35S
	10,000	30×50	0.20	4.04	EKMH500VSN103MR50S		2,700	35×25	0.15	2.29	EKMH800VSN272MA25S
	10,000	35×40	0.20	4.03	EKMH500VSN103MA40S		3,300	25.4×50	0.15	2.68	EKMH800VSN332MQ50S
	12,000	35×45	0.20	4.55	EKMH500VSN123MA45S		3,300	30×40	0.15	2.68	EKMH800VSN332MR40S
	63	1,200	22×25	0.15	1.19		EKMH630VSN122MP25S	100	560	22×25	0.15
1,500		22×25	0.15	1.33	EKMH630VSN152MP25S	820	22×30		0.15	1.32	EKMH101VSN821MP30S
1,800		22×30	0.15	1.51	EKMH630VSN182MP30S	820	25.4×25		0.15	1.33	EKMH101VSN821MQ25S
1,800		25.4×25	0.15	1.52	EKMH630VSN182MQ25S	1,000	22×35		0.15	1.50	EKMH101VSN102MP35S
2,200		22×35	0.15	1.73	EKMH630VSN222MP35S	1,000	25.4×30		0.15	1.51	EKMH101VSN102MQ30S
2,200		25.4×30	0.15	1.74	EKMH630VSN222MQ30S	1,200	22×40		0.15	1.69	EKMH101VSN122MP40S
2,700		22×40	0.15	1.97	EKMH630VSN272MP40S	1,200	25.4×35		0.15	1.71	EKMH101VSN122MQ35S
2,700		25.4×35	0.15	1.99	EKMH630VSN272MQ35S	1,200	30×25		0.15	1.68	EKMH101VSN122MR25S
2,700		30×25	0.15	1.76	EKMH630VSN272MR25S	1,500	22×45		0.15	1.94	EKMH101VSN152MP45S
3,300		22×50	0.15	2.29	EKMH630VSN332MP50S	1,500	25.4×40		0.15	1.98	EKMH101VSN152MQ40S
3,300		25.4×40	0.15	2.27	EKMH630VSN332MQ40S	1,500	30×30	0.15	1.95	EKMH101VSN152MR30S	
3,300		30×30	0.15	2.24	EKMH630VSN332MR30S	1,500	35×25	0.15	1.98	EKMH101VSN152MA25S	
3,300		35×25	0.15	2.06	EKMH630VSN332MA25S	1,800	25.4×45	0.15	2.23	EKMH101VSN182MQ45S	
3,900		25.4×45	0.15	2.54	EKMH630VSN392MQ45S	1,800	30×35	0.15	2.50	EKMH101VSN182MR35S	
3,900		30×35	0.15	2.55	EKMH630VSN392MR35S	1,800	35×25	0.15	2.17	EKMH101VSN182MA25S	
3,900		35×25	0.15	2.24	EKMH630VSN392MA25S	2,200	25.4×50	0.15	2.53	EKMH101VSN222MQ50S	
4,700		25.4×50	0.15	2.86	EKMH630VSN472MQ50S	2,200	30×40	0.15	2.70	EKMH101VSN222MR40S	
4,700		30×40	0.15	2.86	EKMH630VSN472MR40S	2,200	35×30	0.15	2.50	EKMH101VSN222MA30S	
4,700		35×30	0.15	2.79	EKMH630VSN472MA30S	2,700	30×45	0.15	2.88	EKMH101VSN272MR45S	
5,600		30×45	0.15	3.22	EKMH630VSN562MR45S	2,700	35×35	0.15	2.86	EKMH101VSN272MA35S	
5,600	35×35	0.15	3.19	EKMH630VSN562MA35S	3,300	30×50	0.15	3.28	EKMH101VSN332MR50S		
6,800	30×50	0.15	3.65	EKMH630VSN682MR50S	3,300	35×40	0.15	3.27	EKMH101VSN332MA40S		
6,800	35×40	0.15	3.64	EKMH630VSN682MA40S	3,900	35×45	0.15	3.67	EKMH101VSN392MA45S		
8,200	35×45	0.15	3.90	EKMH630VSN822MA45S	4,700	35×50	0.15	3.80	EKMH101VSN472MA50S		
10,000	35×50	0.15	4.40	EKMH630VSN103MA50S							
80	820	22×25	0.15	1.11	EKMH800VSN821MP25S						
	1,000	22×25	0.15	1.22	EKMH800VSN102MP25S						
	1,200	22×30	0.15	1.38	EKMH800VSN122MP30S						
	1,200	25.4×25	0.15	1.39	EKMH800VSN122MQ25S						
	1,500	22×35	0.15	1.59	EKMH800VSN152MP35S						
	1,500	25.4×30	0.15	1.61	EKMH800VSN152MQ30S						
	1,800	22×40	0.15	1.80	EKMH800VSN182MP40S						

※160V<sub>dc</sub> 以上的使用 KMR、KMQ 系列。

◆额定纹波电流频率修正系数

纹波频率与标准品一览表的规定值相异时，请使用小于乘以下表系数所得之值的值。

●频率修正系数

频率 (Hz)	50	120	300	1k	10k	50k
6.3~50V <sub>dc</sub>	0.95	1.00	1.03	1.05	1.08	1.08
63~100V <sub>dc</sub>	0.92	1.00	1.07	1.13	1.19	1.20

※ 铝电解电容器由于在纹波电流叠加时自我发热、温度上升而老化，每升温 5°C 寿命减少一半。要想保持长寿命请在使用过程中降低纹波电流。