MH series

■ 特性 Features

- SMD 贴片 SMD surface mount
- 125℃ 2000~5000Hrs

■ 仕样 Specifications

项目 Item	性能 Performance	
使用温度范围 Category Temperature Range	-55℃~+125℃	
额定电压范围 Rated Voltage Range	2.5-100V	
额定静电容量范围 Capacitance Range	10~3300μF	
额定静电容量容许差 Capacitance Tolerance 120Hz，20℃	±20%	
漏电流 Leakage Current	施加额定电压 2 分钟后 I≤0.2CV 或 500μA（以较大值为准） ≤0.2CV or 500uA whichever is greater (After rated voltage applied for 2 minutes)	
损失角正切值 Dissipation Factor 120Hz，20℃	不超过规定值的 Not exceed the value specified	
耐久性 Endurance 125℃,2000~5000h,at rated voltage	静电容量变化率 Capacitance Change	初始值的±20%以内 Within ±20% of initial value
	漏电流 Leakage Current	初始规定值以内 Within initial specified value
	等效串联电阻 ESR	初始标准值的 150%以下 ≤150% of initial standard value
	损失角正切率(tan δ) Dissipation Factor(tan δ)	初始标准值的 150%以下 ≤150% of initial standard value
耐湿性 Moisture Resistance Stored at 60℃,RH90~95%,1000H	静电容量变化率 Capacitance Change	初始值的±20%以内 Within ±20% of initial value
	漏电流 Leakage Current	初始规定值以内 Within initial specified value
	等效串联电阻 ESR	初始标准值的 150%以下 ≤150% of initial standard value
	损失角正切率(tan δ) Dissipation Factor(tan δ)	初始标准值的 150%以下 ≤150% of initial standard value

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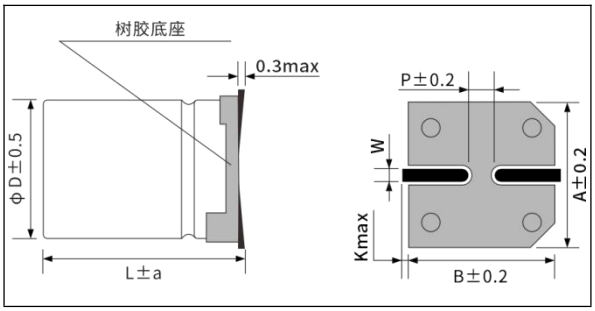
■ 尺寸图 Dimensions

(Unit:mm)

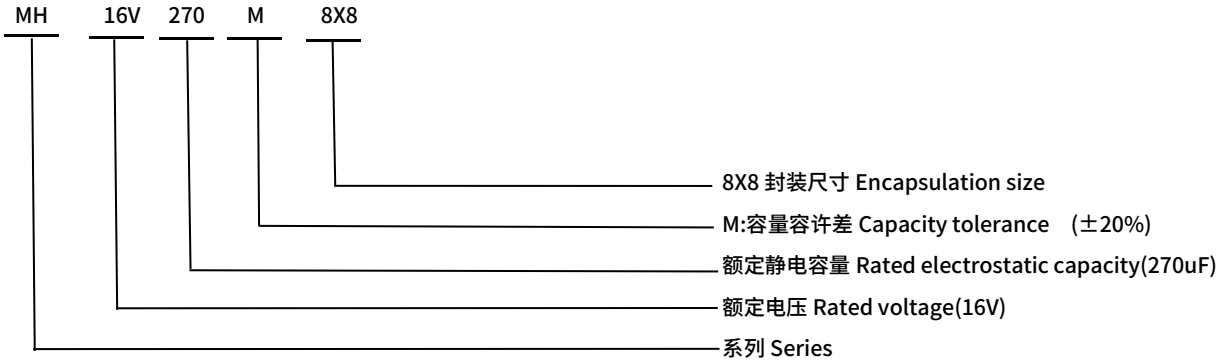


φD	A	B	W	P	K	a
6.3	6.6	6.6	0.5~0.9	1.8	0.35±0.2	0.5
8	8.3	8.3	0.8~1.1	3.7	0.5±0.2	0.3
10	10.3	10.3	0.8~1.1	3.9	0.5±0.2	0.3

■ 频率修正系数 Multiplier for ripple current vs frequency

频率 Frequency	120Hz≤Fre.＜1KHz	1KHz≤Fre.＜10KHz	10KHz≤Fre.＜100KHz	100KHz≤Fre.＜300KHz
纹波修正系数 Coefficient	0.05	0.3	0.7	1.0

■ 品号编码体系 Part Number Coding System（Example：16V 270μF）



注释：型号中 R 表示小数点，如 4R7 表示 4.7μF

Note: "R" in the model number denotes a decimal point (e.g., 4R7 = 4.7μF)

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■ 电气特性

额定电压 Rated Voltage (V)	额定静电容量 Rated Capacitance (μF)	漏电流 Leakage Current (μA,2min)	损失角正切值 Dissipation Factor (120Hz,20°C)	等效串联电阻 ESR (mΩ,100KHz)	额定纹波电流 Rated Ripple Current (mA,105°C,100KHz)	尺寸 Dimensions ΦDXL(mm)	品号 Part Number
6.3	330	500	12	25	1400	6.3X7	MH6.3V330M6X7
	680	857	12	14	2000	10X12.5	MH6.3V680M10X12
	820	1000	12	14	2000	10X12.5	MH6.3V820M10X12
	1000	1000	12	14	2000	10X12.5	MH6.3V1000M10X12
10	150	500	12	28	1400	6.3X7	MH10V150M6X7
	470	940	12	14	2000	10X12.5	MH10V470M10X12
	560	1000	12	14	2000	10X12.5	MH10V560M10X12
	1000	1000	12	14	2000	10X12.5	MH10V1000M10X12
	1500	1000	12	14	2000	10X12.5	MH10V1500M10X12
16	100	500	12	28	1400	6.3X7	MH16V100M6X7
	270	864	12	21	1600	8X8	MH16V270M8X8
	330	1000	12	14	2000	10X12.5	MH16V330M10X12
	470	1000	12	14	2000	10X12.5	MH16V470M10X12
	560	1000	12	14	2000	10X12.5	MH16V560M10X12
	680	1000	12	14	2000	10X12.5	MH16V680M10X12
	820	1000	12	14	2000	10X12.5	MH16V820M10X12
25	68	500	12	28	1400	6.3X7	MH25V68M6X7
	100	500	12	28	1400	6.3X7	MH25V100M6X7
	220	1000	12	25	1600	8X8	MH25V220M8X8
	330	1000	12	16	2000	10X12.5	MH25V330M10X12
	470	1000	12	25	1600	8X8	MH25V470M8X8
35	100	700	12	28	1400	6.3X7	MH35V100M6X7
35	220	77	8	20	1600	8X12	MH35V220M8X12
50	220	110	8	18	1200	10X13	MH50V220M10X13
80	22	500	12	25	1600	8X8	MH80V22M8X8