

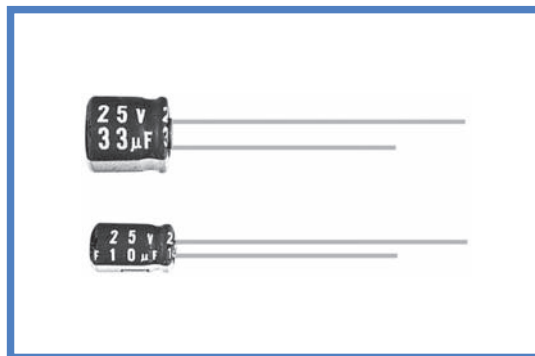
MS7 系列

SERIES

85°C 高7mm品 85°C 7mm Height.

◆ 特 长 / FEATURES

- RoHS指令对应品。
RoHS compliance.



◆ 规格表 / SPECIFICATIONS

项 目 Items	特 性 Characteristics																														
工作温度范围 Category Temperature Range	-40 ~ +85°C																														
额定电压范围 Rated Voltage Range	4 ~ 63V.DC																														
静电容量允许差 Capacitance Tolerance	±20% (20°C, 120Hz)																														
漏 电 流 Leakage Current(MAX)	<p>小于$I=0.01CV$和$3\mu A$中的较大值 (施加额定电压2分钟后) $I=0.01CV$ or $3\mu A$ whichever is greater. (After 2 minutes application of rated voltage)</p> <p>I = 漏电流 (μA) C = 额定静电容量 (μF) V = 额定电压 (V) Leakage Current Rated Capacitance Rated Voltage</p>																														
损失角正切值 ($\tan \delta$) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>额定电压 (V) Rated Voltage</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>$\tan \delta$</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.13</td> <td>0.10</td> <td>0.10</td> <td></td> </tr> </tbody> </table>	额定电压 (V) Rated Voltage	4	6.3	10	16	25	35	50	63	(20°C, 120Hz)	$\tan \delta$	0.35	0.24	0.20	0.17	0.15	0.13	0.10	0.10											
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耐 久 性 Endurance	<p>在85°C环境中，不超过额定电压的范围内叠加额定纹波电流，连续加载1000小时后，满足以下各项要求。 After applying rated voltage with rated ripple current for 1000 hrs at 85°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tbody> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏 电 流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </tbody> </table>	静电容量变化率 Capacitance Change	初期值的±20%以内 Within ±20% of the initial value.	损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.	漏 电 流 Leakage Current	规格值以下 Not more than the specified value.																								
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低 温 特 性 Low Temperature Stability (阻 抗 比) Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>额定电压 (V) Rated Voltage</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>(120Hz)</th> </tr> </thead> <tbody> <tr> <td>$Z(-25^\circ C)/Z(20^\circ C)$</td> <td>7</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>$Z(-40^\circ C)/Z(20^\circ C)$</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td></td> </tr> </tbody> </table>	额定电压 (V) Rated Voltage	4	6.3	10	16	25	35	50	63	(120Hz)	$Z(-25^\circ C)/Z(20^\circ C)$	7	4	3	3	2	2	2	2		$Z(-40^\circ C)/Z(20^\circ C)$	15	10	8	6	4	4	4	4	
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◆ 纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

频率系数 Frequency coefficient

频率 (Hz) Frequency	60 (50)	120	500	1k	10k ≤
0.1 ~ 1 μF	0.50	1.0	1.20	1.30	1.50
2.2 ~ 4.7 μF	0.65	1.0	1.20	1.30	1.50
10 ~ 47 μF	0.8	1.0	1.20	1.30	1.50
100 ~ 470 μF	0.8	1.0	1.10	1.15	1.20

◆ 副记号 / OPTION

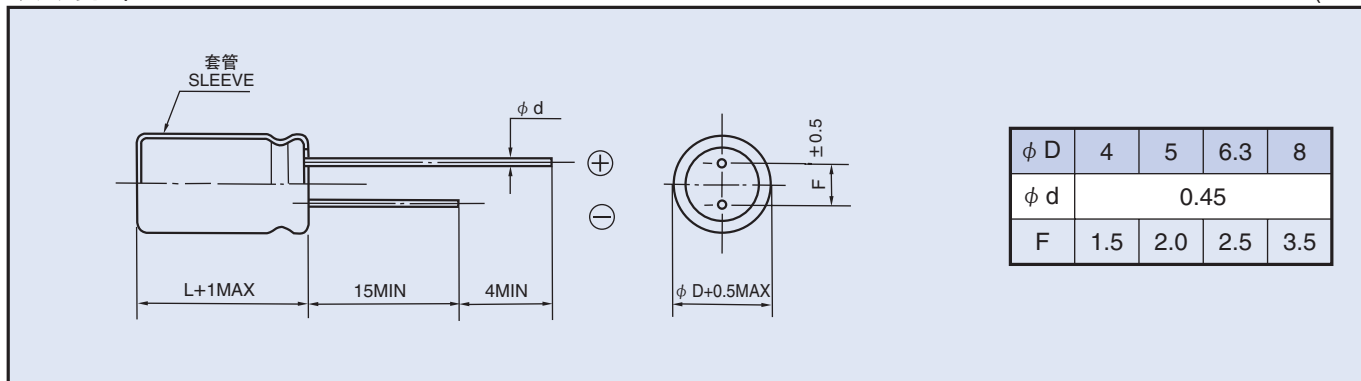
副记号	记号 Code
PET套管 PET Sleeve	EFC

◆ 产品型号体系 / PART NUMBER

□□□	MS7	□□□□□	□	□□□	□□	D × L
额定电压 Rated Voltage	系列名称 Series	额定静电容量 Rated Capacitance	静电容量允许差 Capacitance Tolerance	副记号 Option	引线加工记号 Lead Forming	铝壳尺寸 Case Size

◆尺寸图 / DIMENSIONS

(mm)



◆标准品一览表 / STANDARD SIZE

Size φ D×L (mm) , Ripple Current (mA r.m.s./85°C, 120Hz)

额定电压 WV(V.DC)	4 (0G)		6.3 (0J)		10 (1A)		16 (1C)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10							4×7	28
22			4×7	34	4×7	38	4×7	42
33	4×7	33	4×7	42	4×7	46	5×7	62
47	4×7	39	4×7	50	5×7	66	5×7	73
100	5×7	65	5×7	87	6.3×7	99	6.3×7	110
220	6.3×7	110	6.3×7	133	8×7	165	8×7	145
330	8×7	165	8×7	180	8×7	210		
470	8×7	190						

额定电压 WV(V.DC)	25 (1E)		35 (1V)		50 (1H)		63 (1J)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1					4×7	1.3	4×7	1.3
0.22					4×7	3.0	4×7	3.0
0.33					4×7	4.4	4×7	4.4
0.47					4×7	6.3	4×7	6.3
1					4×7	12	4×7	12
2.2					4×7	16	4×7	16
3.3			4×7	18	4×7	19	5×7	24
4.7	4×7	21	4×7	22	4×7	24	6.3×7	33
10	4×7	31	5×7	32	5×7	42	6.3×7	45
22	5×7	55	6.3×7	60	6.3×7	64		
33	6.3×7	66	6.3×7	73	8×7	75		
47	6.3×7	80	8×7	95	8×7	85		
100	8×7	115	8×7	115				