

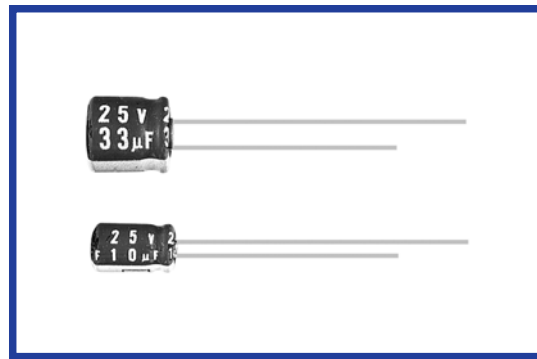
MS7 シリーズ
SERIES

85°C 高さ7mm品
85°C 7mm Height

・85°C 1000時間品。
Load Life : 85°C 1000 hours.

生産中止品
OBSOLETE PRODUCTS

RoHS
compliance



◆規格表 / SPECIFICATIONS

項目 Items	特性 Characteristics																															
カテゴリ温度範囲 Category Temperature Range	-40~+85°C																															
定格電圧範囲 Rated Voltage Range	4~63Vdc																															
静電容量許容差 Capacitance Tolerance	±20%(20°C,120Hz)																															
漏れ電流 Leakage Current(MAX)	I=0.01CV又は3µAのいずれか大なる値以下(定格電圧印加2分後) I=0.01CV or 3µA whichever is greater. (After 2 minutes application of rated voltage) I=漏れ電流(µA) C=静電容量(µF) V=定格電圧(Vdc) Leakage Current Capacitance Rated Voltage																															
損失角の正接(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>定格電圧(Vdc) Rated Voltage</td> <td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td> <td>(20°C,120Hz)</td> </tr> <tr> <td>tanδ</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> </table>		定格電圧(Vdc) Rated Voltage	4	6.3	10	16	25	35	50	63	(20°C,120Hz)	tanδ	0.35	0.24	0.20	0.17	0.15	0.13	0.10	0.10											
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耐久性 Endurance	85°C中で1000時間定格電圧(リップル重畳)印加後、下記項目を満足すること。 After applying rated voltage with rated ripple current for 1000 hrs at 85°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>静電容量変化率 Capacitance Change</td> <td>初期値の±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>損失角の正接 Dissipation Factor</td> <td>規格値の200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏れ電流 Leakage Current</td> <td>規格値以下 Not more than the specified value.</td> </tr> </table>		静電容量変化率 Capacitance Change	初期値の±20%以内 Within ±20% of the initial value.	損失角の正接 Dissipation Factor	規格値の200%以下 Not more than 200% of the specified value.	漏れ電流 Leakage Current	規格値以下 Not more than the specified value.																								
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低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio(MAX)	<table border="1"> <tr> <td>定格電圧(Vdc) Rated Voltage</td> <td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°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°C)/Z(20°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> </table>		定格電圧(Vdc) Rated Voltage	4	6.3	10	16	25	35	50	63	(120Hz)	Z(-25°C)/Z(20°C)	7	4	3	3	2	2	2	2		Z(-40°C)/Z(20°C)	15	10	8	6	4	4	4	4	
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◆リップル電流補正係数 / MULTIPLIER FOR RIPPLE CURRENT

周波数係数 Frequency coefficient

周波数(Hz) Frequency	60(50)	120	500	1k	10k≤
1µF	0.50	1.00	1.20	1.30	1.50
2.2~4.7µF	0.65	1.00	1.20	1.30	1.50
10~47µF	0.80	1.00	1.20	1.30	1.50
100~470µF	0.80	1.00	1.10	1.15	1.20

◆副記号 / OPTION

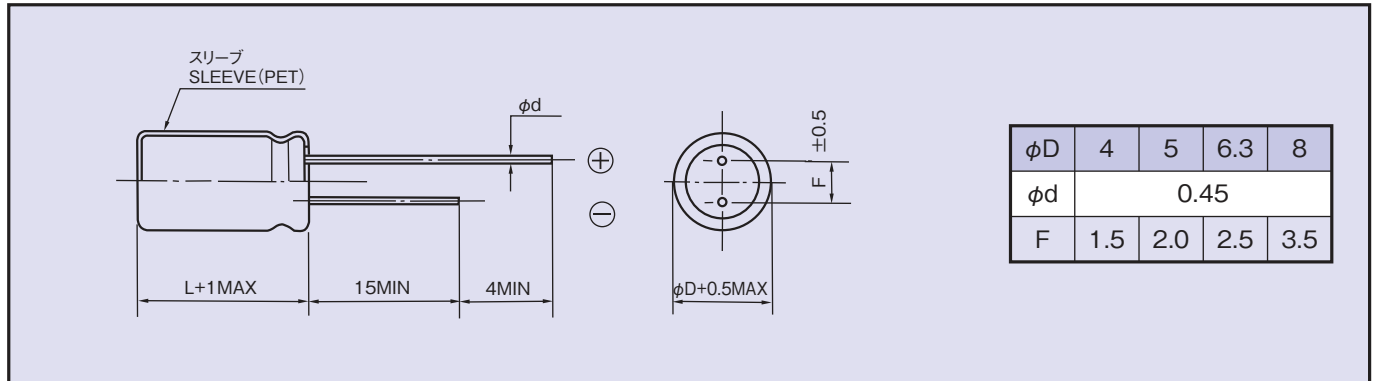
	記号 Code
PETスリーブ PET Sleeve	EFC

◆呼称方法 / PART NUMBER

□□□	MS7	□□□□□	M	□□□	□□	D×L
定格電圧 Rated Voltage	シリーズ名 Series	静電容量 Capacitance	静電容量許容差 Capacitance Tolerance	副記号 Option	リード加工記号 Lead Forming	ケースサイズ Case Size

◆寸法図 / DIMENSIONS

(mm)



◆標準品一覧表 / STANDARD SIZE

Size $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./85°C, 120Hz)

定格電圧 Vdc 静電容量 Cap (μF)	4		6.3		10		16	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10							4x7	28
22			4x7	34	4x7	38	4x7	42
33	4x7	33	4x7	42	4x7	46	5x7	62
47	4x7	39	4x7	50	5x7	66	5x7	73
100	5x7	65	5x7	87	6.3x7	99	6.3x7	110
220	6.3x7	110	6.3x7	133	8x7	165	8x7	145
330	8x7	165	8x7	180	8x7	210		
470	8x7	190						

定格電圧 Vdc 静電容量 Cap (μF)	25		35		50		63	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1					4x7	12	4x7	12
2.2					4x7	16	4x7	16
3.3			4x7	18	4x7	19	5x7	24
4.7	4x7	21	4x7	22	4x7	24	6.3x7	33
10	4x7	31	5x7	32	5x7	42	6.3x7	45
22	5x7	55	6.3x7	60	6.3x7	64		
33	6.3x7	66	6.3x7	73	8x7	75		
47	6.3x7	80	8x7	95	8x7	85		
100	8x7	115	8x7	115				