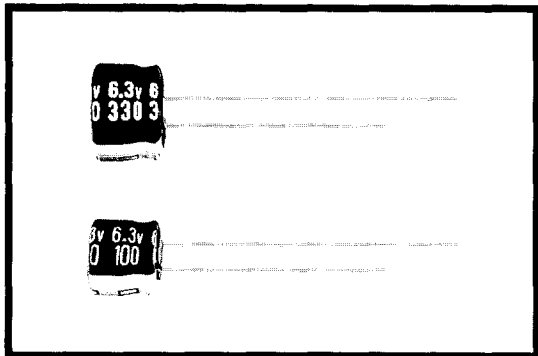


MS5 シリーズ
SERIES

85°C 高さ5mm品 85°C 5mm Height.



◆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	4~50V.DC																											
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) Leakage Current C=定格静電容量(µF) Rated Capacitance V=定格電圧(V) Rated Voltage																											
損失角の正接(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>定格電圧(V) 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>(20°C, 120Hz)</td> </tr> <tr> <td>tan δ</td> <td>0.35</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td></td> </tr> </table>	定格電圧(V) Rated Voltage	4	6.3	10	16	25	35	50	(20°C, 120Hz)	tan δ	0.35	0.26	0.22	0.18	0.16	0.14	0.12										
定格電圧(V) Rated Voltage	4	6.3	10	16	25	35	50	(20°C, 120Hz)																				
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耐久性 Endurance	85°C, 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±25%以内 Within ±25% 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±25%以内 Within ±25% 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(V) 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>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>7</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>15</td> <td>12</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td></td> </tr> </table>	定格電圧(V) Rated Voltage	4	6.3	10	16	25	35	50	(120Hz)	Z(-25°C)/Z(20°C)	7	6	4	4	3	2	2		Z(-40°C)/Z(20°C)	15	12	10	8	6	4	4	
定格電圧(V) Rated Voltage	4	6.3	10	16	25	35	50	(120Hz)																				
Z(-25°C)/Z(20°C)	7	6	4	4	3	2	2																					
Z(-40°C)/Z(20°C)	15	12	10	8	6	4	4																					

◆リップル電流補正係数 MULTIPLIER FOR RIPPLE CURRENT

(1) 周波数係数 Frequency coefficient

周波数(Hz) Frequency	60(50)	120	500	1k	10k≤	
係数 Coefficient	0.1~68µF	0.8	1.0	1.20	1.30	1.50
	100~330µF	0.8	1.0	1.10	1.15	1.20

(2) 周囲温度係数 Temperature coefficient

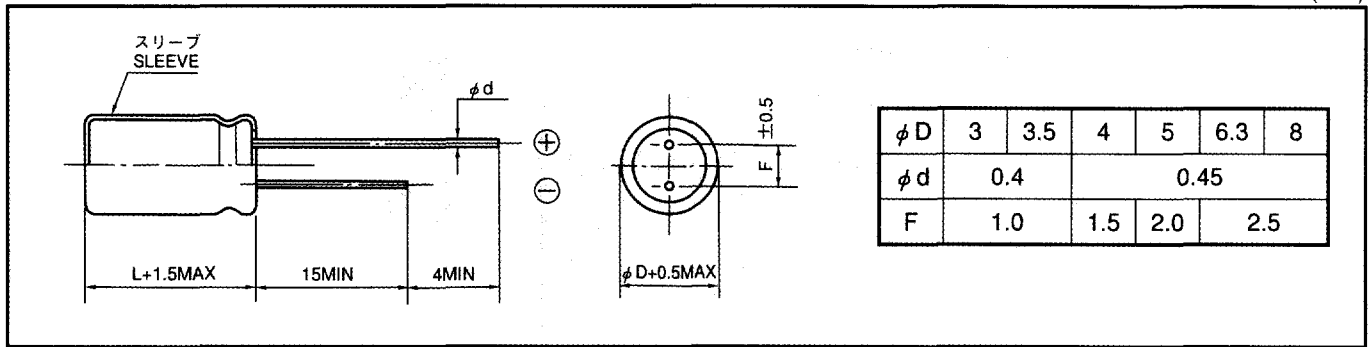
周囲温度(°C) Ambient Temperature	85	70	50≥
係数 Coefficient	1.0	1.6	2.0

◆呼称方法 PART NUMBER



◆寸法図 DIMENSIONS

(mm)



◆寸法一覧表, 定格リップル電流一覧表 STANDARD SIZE, RATED RIPPLE CURRENT

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

定格電圧 WV(V.DC)	4 (0G)		6.3 (0J)		10 (1A)		16 (1C)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
4.7							● 4×5	11
6.8					● 4×5	10	* 4×5	13
10			● 4×5	14	● 4×5	16	* 4×5	18
15			* 4×5	18	4×5	22	5×5	26
22	● 4×5	20	4×5	22	5×5	30	5×5	35
33	* 4×5	27	5×5	34	5×5	45	6.3×5	51
47	4×5	37	5×5	37	6.3×5	50	6.3×5	65
68	5×5	45	6.3×5	55	6.3×5	59	6.3×5	70
100	5×5	62	6.3×5	62	6.3×5	80	8×5	92
220	6.3×5	74	8×5	120	8×5	145		
330	8×5	145	8×5	145				

定格電圧 WV(V.DC)	25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple
0.1					● 4×5	1
0.15					● 4×5	1.5
0.22					● 4×5	2.5
0.33					● 4×5	4
0.47					● 4×5	6
0.68					● 4×5	7
1					● 4×5	8.6
1.5					● 4×5	8.7
2.2			● 4×5	9	* 4×5	9.1
3.3	● 4×5	11	* 4×5	12	4×5	13
4.7	* 4×5	13	4×5	14	5×5	20
6.8	4×5	19	5×5	20	6.3×5	26
10	5×5	27	5×5	27	6.3×5	31
15	5×5	33	6.3×5	35	6.3×5	39
22	6.3×5	46	6.3×5	46	8×5	60
33	6.3×5	54	8×5	65	8×5	80
47	6.3×5	65	8×5	85		
68	8×5	90				
100	8×5	120				

●印については3×5, *印については3.5×5でも御指定により対応します。
3mm DIA. is available for marked ●, and 3.5mm DIA. is available for marked * when specified.

小形電解コンデンサ
MINIATURE TYPE