

●縦型チップ105°C品

**EC-FSシリーズ** JIS C5101  
CE-32

(100WV以下耐洗浄品)

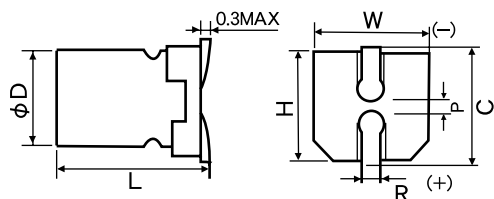
■特徴

- ・105°C、1000時間保証品
- ・耐熱性に優れ、リフローはんだ付けが可能です。

■性能/PERFORMANCE SPECIFICATIONS

カテゴリ温度範囲	CATEGORY TEMPERATURE RANGE	-55°C~+105°C (6.3~63V)	-40°C~+105°C (100~400V)																																													
標準静電容量許容差	STANDARD CAPACITANCE TOLERANCE	-20%~+20% (120Hz)	-20%~+20% (120Hz)																																													
漏れ電流 (最大値)	LEAKAGE CURRENT (MAX. VALUE)	6.3~100V : I=0.01CV OR 3μA WHICHEVER IS THE GREATER (after 2 minutes)	160~400V : CV≤1000 ; 0.03CV+15 CV>1000 ; 0.02CV+25																																													
損失角の正接 (最大値) (tan δ)	DISSIPATION FACTOR (MAX. VALUE)	<table border="1"> <tr> <th>W.V</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> </tr> <tr> <td>φ4~φ6.3</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.12</td> <td>0.10</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.25</td> </tr> <tr> <td>φ8~φ16</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.25</td> </tr> </table>	W.V	6.3	10	16	25	35	50	63	100	160	200	250	400	φ4~φ6.3	0.24	0.20	0.16	0.14	0.12	0.10	0.12	0.10	0.20	0.20	0.20	0.25	φ8~φ16	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10	0.20	0.20	0.20	0.25	<p>When the capacitance exceed 1,000μF, the value of tan δ is increased by 0.02 for each increment of 1,000μF or its fraction.</p>						
W.V	6.3	10	16	25	35	50	63	100	160	200	250	400																																				
φ4~φ6.3	0.24	0.20	0.16	0.14	0.12	0.10	0.12	0.10	0.20	0.20	0.20	0.25																																				
φ8~φ16	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10	0.20	0.20	0.20	0.25																																				
耐久性 105°C 1000時間 定格使用電圧印加	ENDURANCE APPLICATION OF RATED OPERATING VOLTAGE, AT 105°C FOR 1000HOURS.	CAPACITANCE CHANGE : LESS THAN 25% OF THE INITIAL MEASURED VALUE. DISSIPATION FACTOR : LESS THAN 200% OF THE INITIAL SPECIFIED VALUE. LEAKAGE CURRENT : LESS THAN THE INITIAL SPECIFIED VALUE.																																														
低温特性 (+20°Cにおける120Hzのインピーダンスに対する比) (最大値)	LOW TEMPERATURE STABILITY (RATIO OF IMPEDANCE AT COLD TO THAT AT 20°C, 120Hz. MAX. VALUE.)	<table border="1"> <tr> <th>W.V</th> <th>-40°C/+20°C</th> <th>-55°C/+20°C</th> <th>W.V</th> <th>-40°C/+20°C</th> <th>-55°C/+20°C</th> <th>W.V</th> <th>-25°C/+20°C</th> <th>-40°C/+20°C</th> </tr> <tr> <td>6.3</td> <td>3</td> <td>8</td> <td>35</td> <td>2</td> <td>3</td> <td>160</td> <td>3</td> <td>6</td> </tr> <tr> <td>10</td> <td>3</td> <td>5</td> <td>50</td> <td>2</td> <td>3</td> <td>200</td> <td>3</td> <td>6</td> </tr> <tr> <td>16</td> <td>2</td> <td>4</td> <td>63</td> <td>2</td> <td>3</td> <td>250</td> <td>3</td> <td>6</td> </tr> <tr> <td>25</td> <td>2</td> <td>3</td> <td>100</td> <td>3</td> <td>-</td> <td>400</td> <td>6</td> <td>10</td> </tr> </table>	W.V	-40°C/+20°C	-55°C/+20°C	W.V	-40°C/+20°C	-55°C/+20°C	W.V	-25°C/+20°C	-40°C/+20°C	6.3	3	8	35	2	3	160	3	6	10	3	5	50	2	3	200	3	6	16	2	4	63	2	3	250	3	6	25	2	3	100	3	-	400	6	10	
W.V	-40°C/+20°C	-55°C/+20°C	W.V	-40°C/+20°C	-55°C/+20°C	W.V	-25°C/+20°C	-40°C/+20°C																																								
6.3	3	8	35	2	3	160	3	6																																								
10	3	5	50	2	3	200	3	6																																								
16	2	4	63	2	3	250	3	6																																								
25	2	3	100	3	-	400	6	10																																								

■寸法図/DIAGRAM OF DIMENSIONS



(単位: mm)

D+0.5MAX	L	W±0.2	H±0.2	C±0.2	R	P±0.2
4	5.4 <sup>+0.1</sup> <sub>-0.2</sub>	4.3	4.3	5.0	0.5~0.8	1.0
4	6.0±0.3	4.3	4.3	5.0	0.5~0.8	1.0
5	5.4 <sup>+0.1</sup> <sub>-0.2</sub>	5.3	5.3	6.0	0.5~0.8	1.4
6.3	5.4 <sup>+0.1</sup> <sub>-0.2</sub>	6.6	6.6	7.3	0.5~0.8	2.2
6.3	6.0±0.3	6.6	6.6	7.3	0.5~0.8	2.2
6.3	7.7±0.3	6.6	6.6	7.3	0.5~0.8	2.2
8	10.2±0.3	8.3	8.3	9.0	0.7~1.0	3.2
8	10.5±0.3	8.3	8.3	9.0	0.7~1.0	3.2
10	7.7±0.3	10.3	10.3	11.0	1.1~1.4	4.6
10	10.2±0.3	10.3	10.3	11.0	1.1~1.4	4.6
10	10.5±0.3	10.3	10.3	11.0	1.1~1.4	4.6
12.5	13.5±0.5	12.8	12.8	13.5	1.1~1.4	4.6
16	16.5±0.5	16.3	16.3	17.0	1.8~2.1	7.0

■寸法表 (φD×L) SIZE TABLE (φD×L)

μF	6.3 (0J)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)	63 (1J)	100 (2A)	160 (2C)	200 (2D)	250 (2E)	400 (2G)	
0.1~0.47						4×5.4   07-35	4×5.4   07-35						
1.0						4×5.4   7	4×5.4   7	4×6.0   7					
2.2						4×5.4   11	4×5.4   11	6.3×6.0   14				8×10.5   25	
3.3						4×5.4   13	5×5.4   14	6.3×6.0   20				8×10.5   31	
4.7						4×5.4   13	5×5.4   14	6.3×6.0   20				8×10.5   37	
6.8						4×5.4   13	5×5.4   14	6.3×6.0   25				8×10.5   38	
10						4×5.4   13	5×5.4   14	6.3×6.0   25				8×10.5   44	
22	4×5.4   22	5×5.4   25	6.3×5.4   36	6.3×5.4   36	6.3×5.4   36	6.3×5.4   36	6.3×5.4   36	6.3×7.7   35	8×10.5   57	10×10.5   64	10×10.5   64	12.5×13.5   57	
33	5×5.4   27	5×5.4   30	6.3×5.4   40	6.3×5.4   44	6.3×6.0   42	6.3×7.7   60	8×10.2   112	10×10.2   133	12.5×13.5   137	12.5×13.5   137	16×16.5   150	16×16.5   115	
47	5×5.4   33	6.3×5.4   41	6.3×5.4   48	6.3×6.0   48	6.3×6.0   49	6.3×7.7   63	8×10.2   119	12.5×13.5   240	16×16.5   180	16×16.5   180	16×16.5   180		
68							8×10.2   126	12.5×13.5   245	16×16.5   215	16×16.5   215			
82							10×7.7   140		16×16.5   235				
100	6.3×5.4   50	6.3×5.4   53	6.3×5.4   60	6.3×7.7   91	6.3×7.7   84	8×10.2   140	10×10.2   196	16×16.5   490					
150		6.3×6.0   62	6.3×7.7   95	8×10.2   140	8×10.2   155			16×16.5   500					
220	6.3×6.0   67	6.3×7.7   105	6.3×7.7   105	8×10.2   175	8×10.2   190	10×10.2   220	12.5×13.5   287						
330	6.3×7.7   105	8×10.2   195	8×10.2   195	8×10.2   220	10×10.2   300	12.5×13.5   365							
390							12.5×13.5   380						
470	8×10.2   210	8×10.2   210	8×10.2   230	10×10.2   300	12.5×13.5   410		16×16.5   630						
680	8×10.2   210	10×7.7   210	10×10.2   310		12.5×13.5   430								
1000	8×10.2   230	10×10.2   310		12.5×13.5   460		16×16.5   655							
1500	10×10.2   310		12.5×13.5   500		16×16.5   740								
2200		12.5×13.5   510		16×16.5   805									
3300	12.5×13.5   520		16×16.5   840										
4700		16×16.5   880											
6800	16×16.5   930												

φ10×7.7L品については、シリーズ名記号をEC-FSAでご用命ください。  
About φ10×7.7L product, an order give us the series name symbol in EC-FSA.

φD×L  
Ripple current (mA r.m.s.)  
(120Hz, 105°C)