

FEATURES

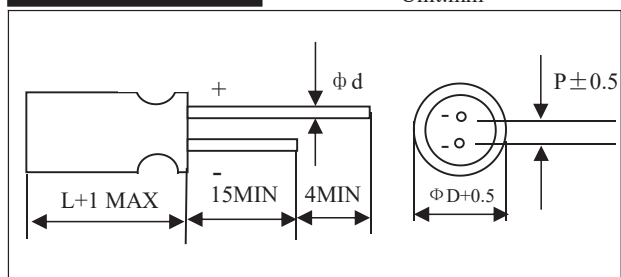
1、Nonpolar and superminiature product, 5mm height, suit for use in polarity and change circuits.

SPECIFICATION

Item	Performance Characteristics																																				
Operating Temperature Range	-40 to +105℃																																				
Rated Working voltage Range	6.3 to 50V																																				
Nominal Capacitance Range	0.1 to 47(uF)																																				
Capacitance Tolerance	±20%（120Hz， +20℃）																																				
Leakage Current	I≤0.05CV or10(uA) Whichever is greater measured after 2minutes application of rated working voltage at +20℃																																				
Dissipation Factor tan δ (120Hz+20℃)	<table><tr><td>Working voltage(V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>tan δ (max.)</td><td>0.24</td><td>0.20</td><td>0.17</td><td>0.17</td><td>0.15</td><td>0.15</td></tr></table>							Working voltage(V)	6.3	10	16	25	35	50	tan δ (max.)	0.24	0.20	0.17	0.17	0.15	0.15																
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Low Temperature Characteristics	Impedance ratio max. at 120Hz <table><tr><td>Working voltage(V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z-25℃/Z+20℃</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z-40℃/Z+20℃</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td></tr></table>							Working voltage(V)	6.3	10	16	25	35	50	Z-25℃/Z+20℃	4	3	2	2	2	2	Z-40℃/Z+20℃	8	6	4	4	3	3									
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Multiplier for Ripple Current vs. Frequency	<table><tr><td colspan="2">CAP(uF)\Hz</td><td>60(50)</td><td>120</td><td>400</td><td>1K</td><td>10K</td><td>50K-100K</td></tr><tr><td rowspan="3">Multiplier</td><td>CAP≤10</td><td>0.8</td><td>1</td><td>1.30</td><td>1.45</td><td>1.65</td><td>1.70</td></tr><tr><td>10<CAP≤100</td><td>0.8</td><td>1</td><td>1.23</td><td>1.36</td><td>1.48</td><td>1.53</td></tr><tr><td>100<CAP≤1000</td><td>0.8</td><td>1</td><td>1.16</td><td>1.25</td><td>1.35</td><td>1.38</td></tr></table>							CAP(uF)\Hz		60(50)	120	400	1K	10K	50K-100K	Multiplier	CAP≤10	0.8	1	1.30	1.45	1.65	1.70	10<CAP≤100	0.8	1	1.23	1.36	1.48	1.53	100<CAP≤1000	0.8	1	1.16	1.25	1.35	1.38
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Multiplier for Ripple Current vs. Temperature	<table><tr><td>Temperature℃</td><td>45</td><td>60</td><td>70</td><td>85</td><td>105</td></tr><tr><td>Multiplier</td><td>2. 10</td><td>1. 90</td><td>1. 65</td><td>1. 4</td><td>1. 00</td></tr></table>							Temperature℃	45	60	70	85	105	Multiplier	2. 10	1. 90	1. 65	1. 4	1. 00																		
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High temperature Loading	Test conditions Duration :2000 hours Ambient temperature :+105℃ Applied voltage :Rated DC working voltage to polarity every 250 hours Post test requirements at +20℃ Leakage current : ≤ Initial specified value Capacitance change : ≤±20% of initial measured value tan δ : ≤200% of initial specified value																																				
Shelf life	Test conditions Duration :1000 hours Ambient temperature :+105℃ Applied voltage : (None) Post test requirements at+20℃ Leakage current :≤Initial specified value Capacitance change :≤±20% of initial measured value Tan δ :≤±20% of initial specified value																																				
Others	JIS C-5141 JIS C-5102																																				

CASE SIZE TABLE

Unit:mm



D ϕ	4	5	6.3
P	1.5	2.0	2.5
d ϕ (± 0.05)	0.45		

DIMENSIONS

$\Phi D \times L$ (mm)

Cap.(uF)	WV(SV) Code	6.3V(8)		10V(13)		16V(20)		25V(32)	
		0J		1A		1C		1E	
3.3	335							5×5	11
4.7	475					4×5	10	5×5	15
10	106			4×5	16	5×5	22	6.3×5	25
22	226	5×5	26	6.3×5	32	6.3×5	35		
33	336	6.3×5	35	6.3×5	40	6.3×5	46		
47	476	6.3×5	43					Case size	Allowable ripple

Allowable Ripple (mA rms)at 105℃ 120Hz

$\Phi D \times L$ (mm)

Cap.(uF)	WV(SV) Code	35V(44)		50V(63)	
		1V		1H	
0.1	104			4×5	1.0
0.22	224			4×5	2.0
0.33	334			4×5	2.8
0.47	474			4×5	4.0
1	105			4×5	8.2
2.2	225	4×5	8.2	5×5	12
3.3	335	5×5	15	5×5	16
4.7	475	5×5	16	6.3×5	20
10	106	6.3×5	27	Case size	Allowable ripple

Allowable Ripple (mA rms)at 105℃ 120Hz