

Axial Type Capacitors 105°C 2000HR 高温 (臥式) 標準品 105°C

Features

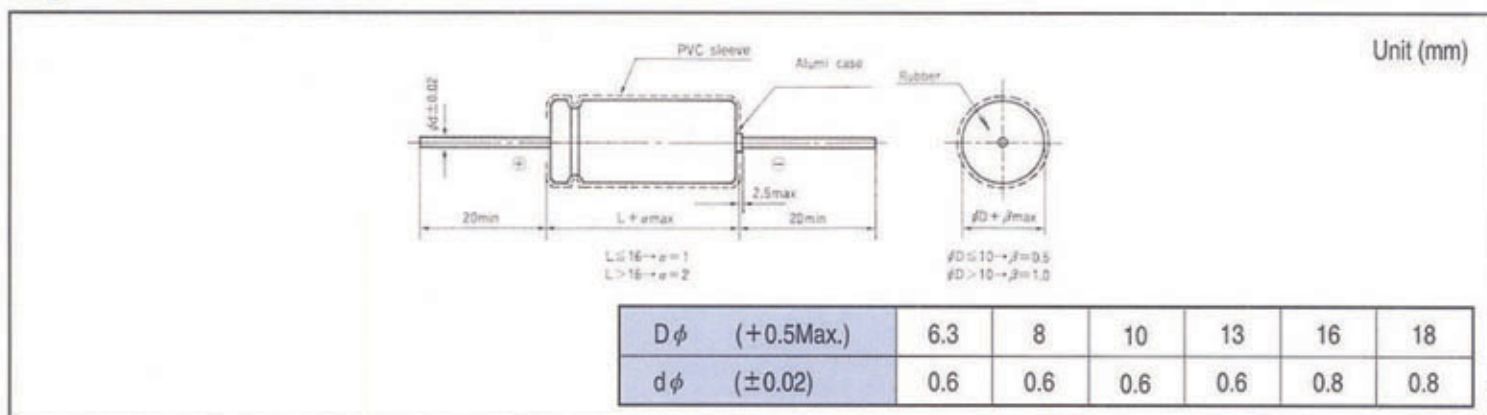
- For general purpose.
- Wide CV value range.
- Sefely vent construction products, guaranteed 2,000 hours at 105°C.

Specifications

Items	Performance Characteristics																																																																					
Operating Temperature Range	-40 to +105°C	-25 to +105°C																																																																				
Rated Working Voltage Range	6.3 to 100V DC	160 to 400V DC																																																																				
Nominal Capacitance Range	0.47 to 15000 μ F	0.47 to 220 μ F																																																																				
Capacitance Tolerance	$\pm 20^\circ\text{C}$ (120Hz, +20°C)																																																																					
Leakage Current	$1 \leq 0.01CV$ or $3(\mu\text{A})$ max	$1 \leq 0.03CV + 20(\mu\text{A})$ max																																																																				
	I : Leakage Current (μA) C: Rated Capacitance (μA) V: Working Voltage (v) Whichever is greater after 3 minutes.																																																																					
Dissipation Factor ($\tan \delta$) (120Hz, +20°C)	<table border="1"> <thead> <tr> <th>Working voltage (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>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>$\tan \delta$ (max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> <td>0.07</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.24</td> <td>0.24</td> </tr> </tbody> </table>														Working voltage (v)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	$\tan \delta$ (max)	0.22	0.19	0.16	0.14	0.12	0.10	0.10	0.07	0.15	0.15	0.15	0.20	0.24	0.24																										
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Maximum Permissible Ripple Current	Refer to standard products table (120Hz, +105°C) Correction factor for frequency.																																																																					
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-40°C/+20°C	8	6	4	3	3	3	3	3																																																														
	For capacitance value $1000 > 1000 \mu\text{F}$, Add 0.5 per another 1000 μF for -25°C/+25°C. Add 1.0 per another 1000 μF for -40°C/+20°C.																																																																					
High Temperature Loading	After 2000hrs. application of DC rated working voltage at +105°C, The capacitor shall meet the following limits: Post test requirements at +20°C																																																																					
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Shelf Life	After storage of 1000hrs. at +105°C with no voltage applied. Post test requirements at +20°C same limits for high temperature loading.																																																																					

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Diagram of Dimensions



Case Size Table

μF	W.V. (SV)	$\phi D \times L$ (mm)							
		6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (79)	100 (125)
0.47						→	6.3×13	→	6.3×13
1.0						→	6.3×13	→	6.3×13
2.2						→	6.3×13	→	6.3×13
3.3						→	6.3×13	→	6.3×13
4.7						→	6.3×13	→	6.3×13
10						→	6.3×13	6.3×13	6.3×16
22					→	6.3×13	6.3×16	6.3×16	8×16
33				→	6.3×13	6.3×16	6.3×16	6.3×16	8×21
47	→	6.3×13	6.3×13	6.3×13	6.3×16	6.3×16	6.3×16	8×16	8×21
100		6.3×13	6.3×16	6.3×16	6.3×16	8×16	8×16	8×21	10×27
220		6.3×16	6.3×16	8×16	8×16	8×21	10×22	10×27	13×32
330		8×16	8×16	8×16	8×21	10×22	10×27	13×27	13×35
470		8×16	8×16	8×21	10×22	10×27	13×27	13×32	16×43
1,000		10×22	10×22	10×27	13×27	13×32	13×35	16×33	
2,200		13×27	13×27	13×32	13×35	16×33	18×43		
3,300		13×27	13×32	13×35	16×33	16×43			
4,700		13×32	13×35	16×33	16×43				
6,800		16×33	16×33	16×43					
10,000		16×43	16×43						
15,000		18×43							

* All blank dimensions is the same dimensions as "→" point to.

Case Size Table

μF	W.V. (SV)	$\phi D \times L$ (mm)				
		160 (200)	200 (250)	250 (300)	350 (400)	400 (450)
0.47		6.3×13	6.3×13	6.3×13	6.3×16	6.3×16
1.0		6.3×13	6.3×13	6.3×16	8×16	8×16
2.2		6.3×16	6.3×16	8×16	8×21	8×21
3.3		8×16	8×16	8×16	10×22	10×22
4.7		8×16	8×16	10×22	10×27	10×27
10		10×22	10×22	10×27	13×27	13×27
22		10×27	13×27	13×27	13×32	16×33
33		13×27	13×32	13×32	16×33	16×43
47		13×32	13×32	13×35	18×43	
100		16×33	16×43	16×43		
220		18×43				

