

MINIATURE SIZE

SH

Series

7mmL 105°C , Wide Temperature Range

JAMICON®

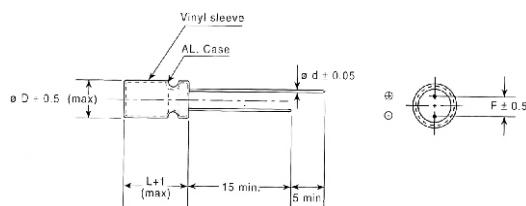
- Wide temperature range series with 7mm height .

SPECIFICATION

Item	Characteristic																											
Operation Temperature Range	-55~+105°C																											
Rated working Voltage	6.3~50VDC																											
Capacitance Tolerance (120Hz 25°C)	$\pm 20\%$ (M)																											
Leakage Current (25°C)	I $\leq 0.01 CV$ or 3 (μA) Whichever is greater after 2 minutes I: Leakage Current (μA) C: Rated Capacitance(μF) V : Working Voltage (V)																											
Surge Voltage (25°C)	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>S.V.</td> <td>8</td> <td>13</td> <td>20</td> <td>32</td> <td>44</td> <td>63</td> </tr> </table>							W.V.	6.3	10	16	25	35	50	S.V.	8	13	20	32	44	63							
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Dissipation Factor (tan δ) (120Hz 25°C)	<table border="1"> <tr> <td>W.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</td> <td>0.24</td> <td>0.21</td> <td>0.18</td> <td>0.15</td> <td>0.13</td> <td>0.12</td> </tr> </table>							W.V.	6.3	10	16	25	35	50	tan δ	0.24	0.21	0.18	0.15	0.13	0.12							
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Low Temperature Stability	<table border="1"> <tr> <td>Rated 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>-25°C/+25°C</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>-40°C/+25°C</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>							Rated Voltage (V)	6.3	10	16	25	35	50	-25°C/+25°C	3	2	2	2	2	2	-40°C/+25°C	6	5	4	3	3	3
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Load Life	<p>After 1000 hours application of WV at +105°C, the capacitor shall meet the following limits.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>$\leq \pm 25\%$ of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>$\leq 200\%$ of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>\leq initial specified value</td> </tr> </table>							Capacitance Change	$\leq \pm 25\%$ of initial value	Dissipation Factor	$\leq 200\%$ of initial specified value	Leakage current	\leq initial specified value															
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Shelf Life	At +105°C no voltage application after 1000 hours and then through the aging treatment (reference JIS C 5102 4.4), the capacitor shall meet the limits for load life characteristics .																											
Reference Standard	JIS C 5102																											

DIMENSIONS (mm)

ϕD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45	0.45	0.45	0.50



Case size : DxL (mm)
Max ripple current : mA (rms)
(R.C.) : 105°C 120Hz

CASE SIZE & MAX RIPPLE CURRENT

μF	V(Code)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.1	0R1									→	4x7		1
0.22	R22									→	4x7		2.3
0.33	R33									→	4x7		3.5
0.47	R47									→	4x7		5
1.0	010									→	4x7		10
2.2	2R2									→	4x7		19
3.3	3R3									→	4x7		24
4.7	4R7								→	4x7		5x7	29
10	100				→	4x7	29	5x7	33	5x7	36	6.3x7	44
22	220	4x7	34	5x7	38	5x7	44	6.3x7	51	6.3x7	60	8x7	65
33	330	5x7	42	5x7	47	6.3x7	60	6.3x7	65	8x7	72		
47	470	5x7	50	6.3x7	65	6.3x7	70	8x7	78				
100	101	6.3x7	77	6.3x7	87	6.3x7	90						
220	221	8x7	130	8x7	140								

All blank voltage on sleeve marking is the same voltage as " → " point to.