

Jamicon Series : LK

Teapo Series : LL

Low leakage current Series

■ Endurance : 85°C 2000 hours

■ Recommended Applications : in where low leakage current is essential as in coupling of pre-amplifies

Remaining of very low leakage current even after prolonged storage

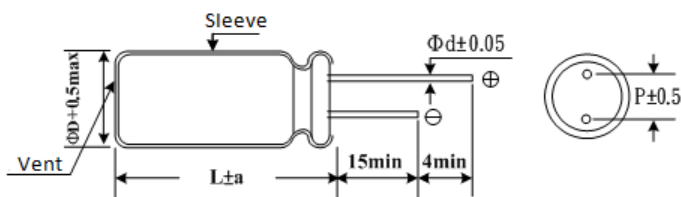
■ Corresponding product to RoHS



SPECIFICATIONS

Item	Characteristics																												
Category Temperature Range	-40 ~ +85°C																												
Rated Voltage Range	10 ~ 63VDC																												
Rated Capacitance Range	10 ~ 220 µF																												
Capacitance Tolerance	± 20 % (120Hz , 20°C)																												
Leakage Current (20°C)	$I \leq 0.002CV$ or $1.0 \mu A$ whichever is greater. (After rated voltage applied for 2 minutes) I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V)																												
Dissipation Factor(MAX) (tan δ) (120Hz , 20°C)	<table border="1"> <tr> <td>WV</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tan δ</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> </tr> </table> <p>When nominal capacitance is over 1000 µF, tan δ shall be added 0.02 to the listed value with increase of every 1000 µF.</p>	WV	10	16	25	35	50	63	tan δ	0.24	0.20	0.16	0.14	0.12	0.10														
WV	10	16	25	35	50	63																							
tan δ	0.24	0.20	0.16	0.14	0.12	0.10																							
Low Temperature Stability Impedance Ratio (MAX)	<table border="1"> <tr> <td>WV</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z(120Hz)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Z(-25°C) / Z(+20°C)</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C) / Z(+20°C)</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	WV	10	16	25	35	50	63	Z(120Hz)							Z(-25°C) / Z(+20°C)	3	2	2	2	2	2	Z(-40°C) / Z(+20°C)	6	4	4	3	3	3
WV	10	16	25	35	50	63																							
Z(120Hz)																													
Z(-25°C) / Z(+20°C)	3	2	2	2	2	2																							
Z(-40°C) / Z(+20°C)	6	4	4	3	3	3																							
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105°C , the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance change</td> <td>Within ± 15% of initial value</td> </tr> <tr> <td>D.F. (tan δ)</td> <td>Not more than 150% of specified value</td> </tr> <tr> <td>Leakage current</td> <td>Not more than the specified value</td> </tr> </table>	Capacitance change	Within ± 15% of initial value	D.F. (tan δ)	Not more than 150% of specified value	Leakage current	Not more than the specified value																						
Capacitance change	Within ± 15% of initial value																												
D.F. (tan δ)	Not more than 150% of specified value																												
Leakage current	Not more than the specified value																												
Shelf Life	After 500 hrs at 105°C without applying rated voltage the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance change</td> <td>Within ± 25% of initial value</td> </tr> <tr> <td>D.F. (tan δ)</td> <td>Not more than 200% of specified value</td> </tr> <tr> <td>Leakage current</td> <td>Not more than 200% of specified value</td> </tr> </table>	Capacitance change	Within ± 25% of initial value	D.F. (tan δ)	Not more than 200% of specified value	Leakage current	Not more than 200% of specified value																						
Capacitance change	Within ± 25% of initial value																												
D.F. (tan δ)	Not more than 200% of specified value																												
Leakage current	Not more than 200% of specified value																												

Dimensions [mm]



φD	5	6.3	8	10	12.5
P	2.0	2.5	3.5	5.0	5.0
φd	0.5	0.5	0.6	0.6	0.6
a	1.5	1.5	1.5	1.5	2.0

Jamicon Series : LK

Teapo Series : LL

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	
10V (13)	22	5x11	0.24	65	25V (32)	100	10x16	0.16	250	
	33	6.3x11	0.24	90		220	12.5x20	0.16	410	
	47	6.3x11	0.24	110		330	12.5x25	0.16	560	
	16V (20)	100	8x11	0.24	180	35V (44)	10	6.3x11	0.14	65
		220	10x16	0.24	310		22	8x11	0.14	110
		330	10x20	0.24	420		33	10x12.5	0.14	140
		470	12.5x20	0.24	500		47	10x12.5	0.14	170
1000		12.5x25	0.24	810	100		10x20	0.14	300	
10		5x11	0.20	48	220	12.5x25	0.14	490		
25V (32)	22	6.3x11	0.20	80	50V (63)	10	8x11	0.12	80	
	33	6.3x11	0.20	100		22	10x12.5	0.12	130	
	47	8x11	0.20	140		33	10x16	0.12	170	
	100	10x12.5	0.20	210		47	10x16	0.12	210	
	220	10x20	0.20	390	100	12.5x20	0.12	330		
	330	12.5x20	0.20	470	63V (79)	10	8x11	0.10	80	
	470	12.5x20	0.20	560		22	10x16	0.10	140	
10	6.3x11	0.16	60	33		10x16	0.10	170		
22	8x11	0.16	100	47		10x20	0.10	230		
33	8x11	0.16	130	100	12.5x25	0.10	360			
47	10x12.5	0.16	160							