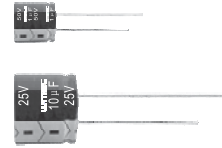


## LS Low Leakage Current, Height 5mm Series

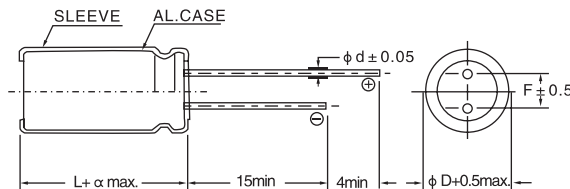
- Low leakage current series with 5mm height
- Designed for use in lightweight and portable equipment
- Load life of 1000 hours at 105°C



### • SPECIFICATIONS

Item	Characteristics																					
Operating Temperature Range	-40~+105°C																					
Rated Working Voltage Range	4~50V.DC																					
Capacitance Tolerance	±20%(M)at 120Hz,25°C																					
Leakage Current (max.)	I= 0.002CV or 0.4 µA whichever is greater after 2 minutes.																					
	I: Leakage Current (µA) C: Nominal Capacitance (µ F) V: Rated Working Voltage(V)																					
Dissipation Factor (tan δ) (at 120Hz, 25°C) (max.)	<table border="1"> <tr> <td>WV</td> <td>4</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>0.35</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>	WV	4	6.3	10	16	25	35	50	tan δ	0.35	0.24	0.20	0.16	0.14	0.12	0.10					
	WV	4	6.3	10	16	25	35	50														
tan δ	0.35	0.24	0.20	0.16	0.14	0.12	0.10															
Low Temperature Stability (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>WV</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35,50</td> </tr> <tr> <td>Z(-25°C)/Z(+25°C)</td> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(+25°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table>	WV	4	6.3	10	16	25	35,50	Z(-25°C)/Z(+25°C)	7	4	3	2	2	2	Z(-40°C)/Z(+25°C)	15	10	8	6	4	3
	WV	4	6.3	10	16	25	35,50															
Z(-25°C)/Z(+25°C)	7	4	3	2	2	2																
Z(-40°C)/Z(+25°C)	15	10	8	6	4	3																
Load Life	After 1000 hours application of W.V. at 105°C, the capacitor shall meet the following limits.																					
	Capacitance Change ≤ ±20% of the initial measured value.																					
	Dissipation Factor ≤200% of the initial specified value. Leakage current ≤ the initial specified value.																					
Shelf Life(at 105°C )	After 500 hours no load test, leakage current capacitance and tan δ are same as load life value																					
Reference Standard	JISC-5141																					

### • DRAWING(Unit:mm)



φ D	4	5	6.3
F	1.5	2.0	2.5
φ d	0.45	0.45	0.45
α	1.0	1.0	1.0

### • DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV \ Cap.(µF)	4		6.3		10		16		25		35		50	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1													4×5	3.9
0.22													4×5	5.8
0.33													4×5	7.1
0.47													4×5	8.5
0.68													4×5	10
1.0													4×5	12
2.2													4×5	18
3.3													4×5	22
4.7													4×5	25
6.8									4×5	27	5×5	34	6.3×5	44
10							4×5	31	5×5	38	5×5	42	6.3×5	53
22			4×5	37	5×5	47	6.3×5	62	6.3×5	66				
33	5×5	44	5×5	53	6.3×5	68	6.3×5	76						
47	5×5	52	6.3×5	74	6.3×5	81								
68	6.3×5	74	6.3×5	89										
100	6.3×5	89												

↑↑↑↑↑  
 Ripple current (m A rms) at 105°C, 120Hz  
 Case size φ D×L(mm)