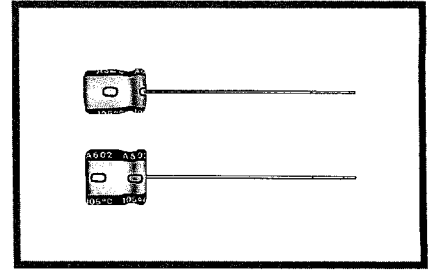


SV 7mmL, Long Life Assurance series



- Extended load life of 5000 hours at +105°C, with 7mm height.

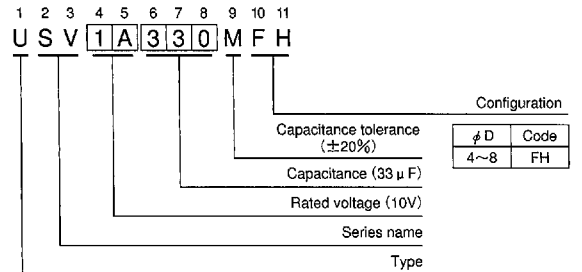
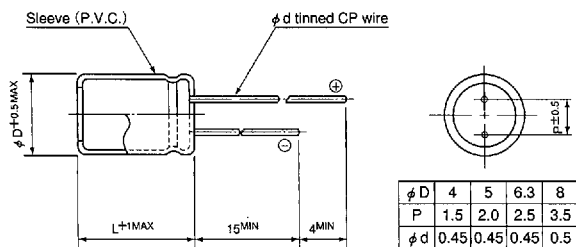


Specifications

Item	Performance Characteristics																							
Operating Temperature Range	-40~+105°C																							
Voltage Range	6.3~50V																							
Capacitance Range	0.1~220 μF																							
Capacitance Tolerance	±20% at 120Hz, 20°C																							
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3(μA), whichever is greater.																							
tan δ	Measurement frequency : 120Hz, Temperature : 20°C																							
	<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>tan δ (MAX.)</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>	Rated voltage (V)	6.3	10	16	25	35	50	tan δ (MAX.)	0.24	0.21	0.18	0.15	0.13	0.12									
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tan δ (MAX.)	0.24	0.21	0.18	0.15	0.13	0.12																		
Stability at Low Temperature	Measurement frequency : 120Hz																							
	<table border="1"> <tr> <td colspan="2">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>Impedance ratio</td> <td>Z-25°C / Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>ZT/Z20 (MAX.)</td> <td>Z-40°C / Z+20°C</td> <td>8</td> <td>6</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	Impedance ratio	Z-25°C / Z+20°C	4	3	2	2	2	2	ZT/Z20 (MAX.)	Z-40°C / Z+20°C	8	6	4	3	3
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ZT/Z20 (MAX.)	Z-40°C / Z+20°C	8	6	4	3	3	3																	
Load Life	<p>After 5000 hours' application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.</p> <table border="1"> <tr> <td>Capacitance change</td> <td>Within ±30% of initial value</td> </tr> <tr> <td>tan δ</td> <td>300% or less of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>Initial specified value or less</td> </tr> </table>	Capacitance change	Within ±30% of initial value	tan δ	300% or less of initial specified value	Leakage current	Initial specified value or less																	
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tan δ	300% or less of initial specified value																							
Leakage current	Initial specified value or less																							
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for load life characteristics listed above.																							
Marking	Printed with silver color letter on dark brown sleeve.																							
Applicable Standards	JIS C-5141 and JIS C-5102.																							

Radial Lead Type

Type numbering system (Example : 10V 33 μF)



Dimensions

Cap. (μF)	Code	V										DXL(mm)		
		6.3		10		16		25		35		50		
		0J		1A		1C		1E		1V		1H		
0.1	0R1											4×7	1.0	
0.22	R22											4×7	2.3	
0.33	R33											4×7	3.5	
0.47	R47											4×7	5.0	
1	010											4×7	10	
2.2	2R2											4×7	19	
3.3	3R3											4×7	24	
4.7	4R7										4×7	24	5×7	29
10	100										5×7	36	6.3×7	44
22	220	4×7	34	5×7	38	5×7	44	6.3×7	51	6.3×7	57	8×7	72	65
33	330	5×7	42	5×7	47	6.3×7	57	6.3×7	63	8×7	72			
47	470	5×7	50	6.3×7	59	6.3×7	68	8×7	78					
100	101	6.3×7	77	8×7	96	8×7	107							
220	221	8×7	130											

Allowable Ripple (mA rms) at 105°C 120Hz