

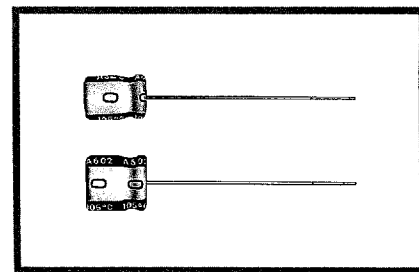
ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

SV 7mmL, Long Life Assurance series



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

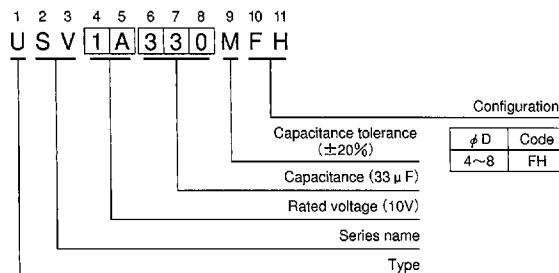
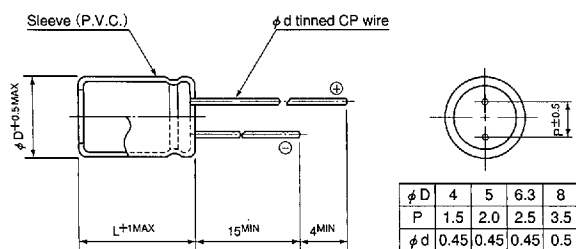


Specifications

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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Stability at Low Temperature	Measurement frequency : 120Hz																						
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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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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	29
10	100											4×7	24
22	220	4×7	34	5×7	38	5×7	44	6.3×7	51	6.3×7	57	8×7	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