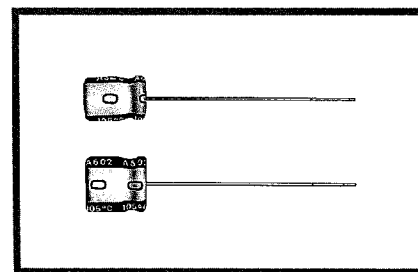


SV 7mmL, Long Life Assurance
series



- Extended load life of 5000 hours at $+105^{\circ}\text{C}$, with 7mm height.

ST $\frac{42}{42}$ Long Life **SV**

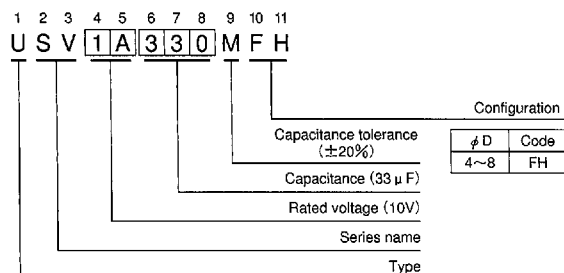
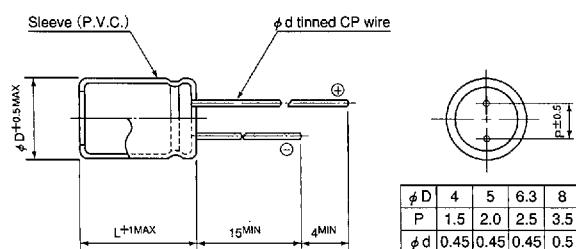


Specifications

Item	Performance Characteristics							
Operating Temperature Range	-40~+105℃							
Voltage Range	6.3~50V							
Capacitance Range	0.1~220 μF							
Capacitance Tolerance	±20% at 120Hz, 20℃							
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℃							
	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	
Stability at Low Temperature	Measurement frequency : 120Hz							
	Rated voltage (V)		6.3	10	16	25	35	50
	Impedance ratio	Z-25℃ / Z+20℃	4	3	2	2	2	2
	ZT/Z20 (MAX.)	Z-40℃ / Z+20℃	8	6	4	3	3	3
Load Life	After 5000 hours' application of rated voltage at 105℃ , capacitors meet the characteristics requirements listed at right.				Capacitance change		Within ±30% of initial value	
					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℃ 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

		DXL(mm)									
V		6.3		10		16		25		35	50
Cap. (μF)	Code	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 44
22	220	4×7 34		5×7 38		4×7 29		5×7 33		5×7 36	6.3×7 44
33	330	5×7 42		5×7 47		6.3×7 57		6.3×7 63		6.3×7 57	8×7 65
47	470	5×7 50		6.3×7 59		6.3×7 68		8×7 78		8×7 72	
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