ALUMINUM ELECTROLYTIC CAPACITORS

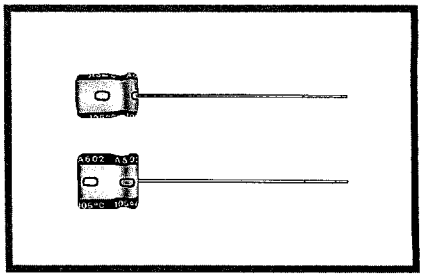
nichicon

SV 7mmL, Long Life Assurance series

Long Life

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

ST ⑫ Long Life **SV**



■Specifications

Item	Performance Characteristics
Operating Temperature Range	−40～+105℃
Voltage Range	6.3～50V
Capacitance Range	0.1～220μF
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

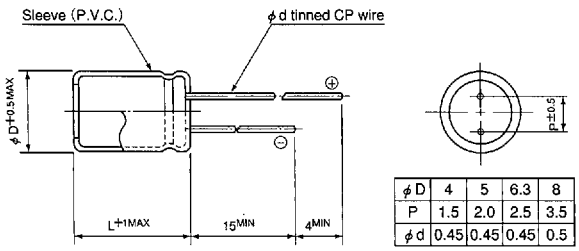
Rated voltage (V)		6.3	10	16	25	35	50
Impedance ratio ZT/Z20 (MAX.)	Z−25℃/Z+20℃	4	3	2	2	2	2
	Z−40℃/Z+20℃	8	6	4	3	3	3

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

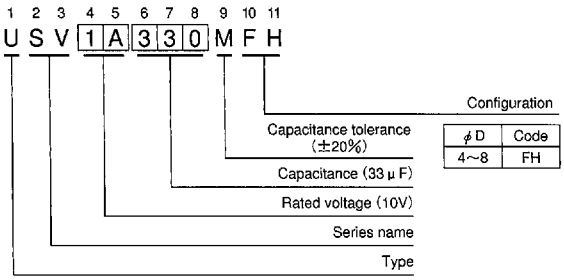
Shelf Life	After leaving capacitors under no load at 105℃ for 1000 hours, they meet the specified value for load life characteristics listed above.
Marking	Printed with silver color letter on dark brown sleeve.
Applicable Standards	JIS C-5141 and JIS C-5102.

■Radial Lead Type



φD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.5

Type numbering system (Example : 10V 33μF)



φD	Code
4～8	FH

■Dimensions

D×L(mm)

Cap.(μF) \ V	Code	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					4×7	29	5×7	33	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	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						Allow-able ripple
220	221	8×7	130									Case size	

Allowable Ripple (mA rms) at 105℃ 120Hz