USV

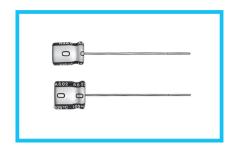
7mmL, Long Life Assurance



- Extended load life of 5000 hours at +105°C, with 7mm height.
- Compliant to the RoHS directive (2011/65/EU).

Values marked with an % in the dimension table are scheduled to be discontinued and are not recommended for new designs.

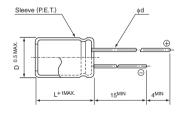




■Specifications

Item	Performance Characteristics											
Category Temperature Range	-40 to +105°C											
Rated Voltage Range	6.3 to 50V											
Rated Capacitance Range	0.1 to 220μF											
Capacitance Tolerance	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3(µA), whichever is greater.											
					Mea	surement freq	uency :	120Hz, Tempe	rature : 20°(2		
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	1	0	16	25		35	50			
	tan δ (MAX.)	0.24 0.3		21	0.18			0.13	0.12			
	Measurement frequency : 120Hz											
Otability at Law Tananasatura	Rated v	Rated voltage (V)		6.3	10	16	25	35	50			
Stability at Low Temperature	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	3			
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 5000 hours at 105°C. Capacitance change Within ±30% of the initial capacitance value tan δ 300% or less than the initial specified value Leakage current Less than or equal to the initial specified value								ial specified value			
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.											
Marking	Printed with silver color letter on dark brown sleeve.											

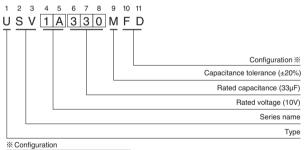
■ Radial Lead Type





				(mm)
φD	4	5	6.3	8
Р	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.5

Type numbering system (Example: 10V 33μF)



 φ D
 Pb-free leadwire Pb-free PET sleeve

 4 to 8
 FD

■Dimensions

	V	6.3		10		16		25		35		50	
Cap.(μF)	Code	0J		1A		1C		1E		1V		1H	
0.1	0R1		!		!		!		!		I I	% 4×7	1.0
0.22	R22		i		i I		i I		i		l I	※ 4 × 7	2.3
0.33	R33		İ		i I		i I		I I		l I	※ 4 × 7	3.5
0.47	R47						!				 	※ 4 × 7	5.0
1	010		i		i				i		i I	4 × 7	10
2.2	2R2		1		l I		I I		I I		l I	4 × 7	¦ 19
3.3	3R3											4 × 7	24
4.7	4R7		i		i		i		i	4 × 7	24	5 × 7	29
10	100		İ		i I	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	l 68	8 × 7	l 78		 		l I
100	101	6.3 × 7	77	8 × 7	96	8 × 7	107				l	Case size	Rated
220	221	8 × 7	130		i		i		i			φD×L (mm)	Rated ripple

• Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.70	1.00	1.17	1.36	1.50

Rated ripple current (mArms) at 105°C 120Hz

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.