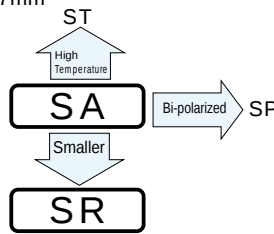


SA 7mmL, For General Purposes series

- Standard miniature series with 7mm height.
- Compliant to the RoHS directive (2011/65/EU).

SR 7mmL, High CV series

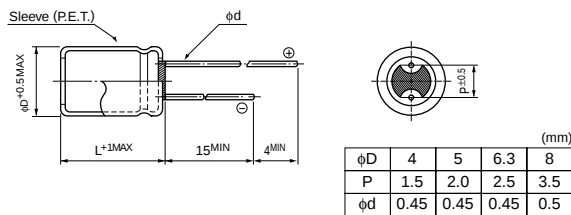
- Higher CV series with 7mm height.



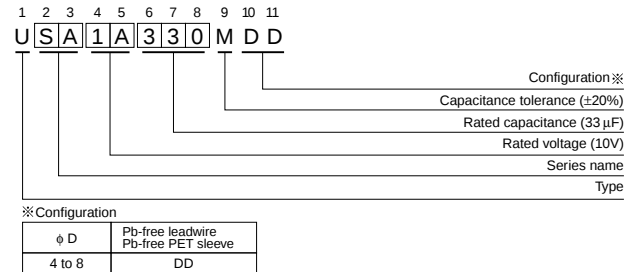
Specifications

Item	SA series				SR series				
Category Temperature Range	- 40 to +85°C				-40 to +85°C				
Rated Voltage Range	6.3 to 50V				4 to 50V				
Rated Capacitance Range	0.1 to 220μF				0.1 to 470μF				
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.								
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C								
	Rated voltage (V)	4	6.3	10	16	25	35	50	
	tan δ (MAX.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
Stability at Low Temperature	Measurement frequency : 120Hz								
	Rated voltage (V)		4	6.3	10	16	25	35	50
	Impedance ratio	Z-25°C / Z+20°C	6	4	3	2	2	2	2
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	12	8	6	4	4	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 2000 hours at 85°C.				Capacitance change		Within ±20% of the initial capacitance value		
					tan δ		200% or less than the initial specified value		
					Leakage current		Less than or equal to the initial specified value		
Shelf Life	After storing the capacitors under no load at 85°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 white color letter on black sleeve.								

Radial Lead Type



Type numbering system (Example : SA series : 10V 33μF)



Dimensions

V(Code) Series Code		4 (0G)	6.3 (0J)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)
Cap.(μF)		SR	SA	SR	SA	SR	SA	SR
0.1	0R1							
0.22	R22							
0.33	R33							
0.47	R47							
1	010							
2.2	2R2							
3.3	3R3							
4.7	4R7							
10	100							
22	220							
33	330							
47	470							
100	101							
220	221							
330	331							
470	471							

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 85°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.