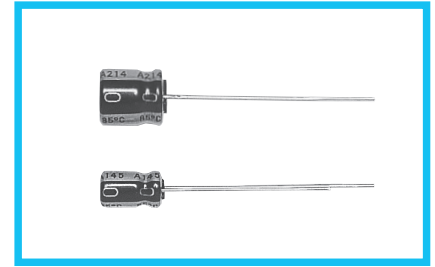


USW

 7mmL, For Audio Equipment


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

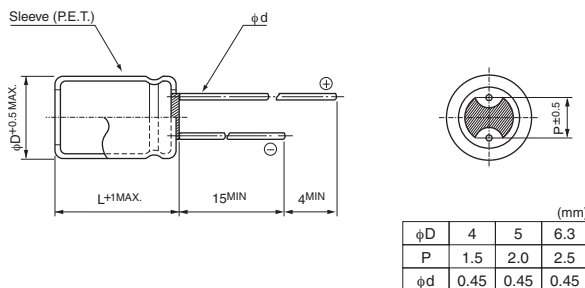
USW

 Smaller
UMW


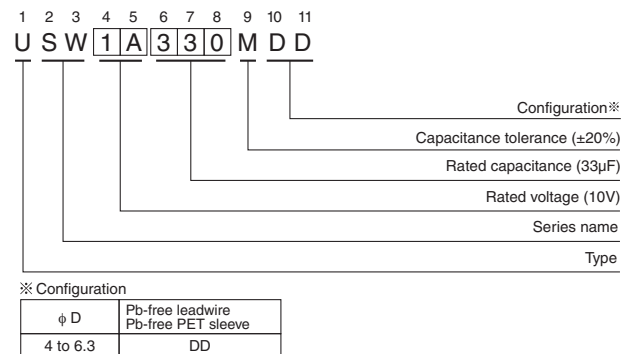
Specifications

Item	Performance Characteristics									
Category Temperature Range	−40 to +85°C									
Rated Voltage Range	6.3 to 50V									
Rated Capacitance Range	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.									
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C									
	Rated voltage (V)	6.3	10	16	25	35	50			
	tan δ (MAX.)	0.24	0.20	0.16	0.14	0.12	0.10			
Stability at Low Temperature	Measurement frequency : 120Hz									
	Rated voltage (V)		6.3	10	16	25	35	50		
	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	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 1000 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 black color letter on gold sleeve.									

Radial Lead Type



Type numbering system (Example : 10V 33μF)



Dimensions

V		6.3		10		16		25		35		50	
Cap.(μF)	Code	0J		1A		1C		1E		1V		1H	
1	010											4 × 7	10
2.2	2R2											4 × 7	19
3.3	3R3											4 × 7	24
4.7	4R7											4 × 7	28
10	100					4 × 7	28	4 × 7	28	4 × 7	31	5 × 7	38
22	220	4 × 7	34	4 × 7	35	4 × 7	39	5 × 7	48	5 × 7	52	6.3 × 7	58
33	330	4 × 7	40	4 × 7	43	5 × 7	55	5 × 7	58	6.3 × 7	65		
47	470	4 × 7	48	5 × 7	59	5 × 7	65	6.3 × 7	71				
100	101	5 × 7	78	6.3 × 7	87	6.3 × 7	98						
220	221	6.3 × 7	120									Case size φ D × L (mm)	Rated ripple

Frequency coefficient of rated ripple current

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

Rated ripple current (mA rms) 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.