



- Bi-polarized series with 7mm height.
- Extended capacitance range by an addition of φ8 product.
- Adapted to the RoHS directive (2002/95/EC).

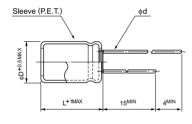




■Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 ~ +85°C										
Rated Voltage Range	6.3 ~ 50V										
Rated Capacitance Range	0.1 ~ 220μF										
Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.05CV or 10 (µA), whichever is greater.										
	Measurement frequency: 120Hz, Temperature: 20°C										
tan δ	Rated voltage (V)	6.3	1	0	16	2	5	35	50		
	tan δ (MAX.)	0.24	0.3	20	0.16	0.	6 0.14		0.12]	
	Measurement frequency : 120 Hz										
Stability at Law Tamparatura	Rated voltage (V)		6.3	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	4	3	3]	
	After 2000 hours' application of rated Capacitance change Within ±20% of initial value										
Endurance	voltage at 85°C wit	-	tan δ	cnange	Within ±20% of initial value 200% or less of initial specified value						
Endurance	every 250 hours, ca	-		ront	Initial specified value or less						
	characteristic requirements listed at right. Leakage current Initial specified value or less										
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.										
Marking	Printed with white color letter on black sleeve.										

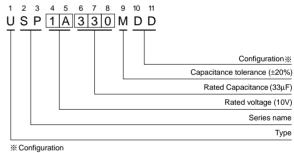
■Radial Lead Type





				(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 $33\mu F$)



■Dimensions

	V	6.3		10		16		25		35		50	
Cap.(μF)	Code	e OJ		1A		1C		1E		1V		1H	
0.1	0R1											4×7	1.0
0.22	R22						İ					4×7	2.3
0.33	R33											4×7	3.5
0.47	R47				i		i				i	4×7	5.0
1	010											4×7	10
2.2	2R2						i					4×7	14
3.3	3R3									4×7	16	5×7	20
4.7	4R7					4×7	18	5×7	21	5×7	22	6.3×7	27
10	100			4×7	24	5×7	30	6.3×7	35	6.3×7	37	8×7	44
22	220			5×7	40	6.3×7	51	6.3×7	53	8×7	62	8×7	65
33	330	5×7	42	6.3×7	56	6.3×7	63	8×7	73	8×7	76		-
47	470	6.3×7	58	6.3×7	67	6.3×7	75	8×7	87				
100	101	8×7	95	8×7	110	8×7	125				İ	Case size	Rated
220	221	8×7	140						į l		1	φD×L (mm)	ripple

• Frequency coefficient of rated ripple current

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

Rated Ripple (mArms) at 85°C 120Hz

Please refer to page 21, 22, 23 about the formed or taped product spec. Please refer to page 3 for the minimum order quantity.