



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

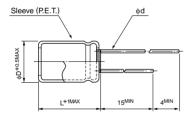




## ■Specifications

Item	Performance Characteristics									
Category Temperature Range	-40 to +85°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 rat	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	0.24 0.2		0.16		16	0.14	0.12		
	Measurement frequency : 120 Hz									
Stability at Law Tamparatura	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	4	3	3		
	After 2000 hours' application of rated									
Endurance	voltage at 85°C with the polarity i	_	Capacitance o an δ	nange	Within ±20% of initial value 200% or less of initial specified value					
Eliquiance	every 250 hours, capacitors mee		_eakage curre	ant	Initial specified value or less					
	characteristic requirements listed at right.									
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 sl	eeve.							

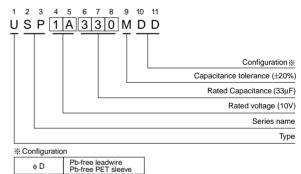
## ■Radial Lead Type





				(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)



#### ■ Dimensions

	V	6.3		10		16		25		35		50	
Cap.(μF)	Code	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				1							4×7	10
2.2	2R2											4×7	14
3.3	3R3				1		1			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		T
47	470	6.3×7	58	6.3×7	67	6.3×7	75	8×7	87				7
100	101	8×7	95	8×7	110	8×7	125					Case size	Rated
220	221	8×7	140									$\phi D \times L (mm)$	ripple

4 to 8

# • Frequency coefficient of rated ripple current

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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 (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.