



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

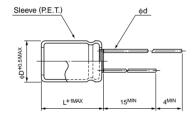




■Specifications

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 rated voltage, leakage current is not more than 0.05CV or 10 (µA), whichever is greater.												
	Measurement frequency : 120Hz, Temperature : 20°C												
Tangent of loss angle (tan δ)	Rated voltage (V) 6.3	10		16	25	5	35	50					
	tan δ (MAX.) 0.24	0.20		0.16	0.1	6 ().14	0.12					
	Measurement frequency : 120 Hz												
Ctability at Law Taganasatura	Rated voltage (V)		6.3	10	16	25	35	50					
Stability at Low Temperature	Impedance ratio Z-25°C / Z+2	20°C	4	3	2	2	2	2					
	ZT / Z20 (MAX.) Z-40°C / Z+2	20°C	8	6	4	4	3	3					
	The specifications listed at right shall be met Capacitance change Within ±20% of the initial capacitance value												
Endurance	when the capacitors are restored to	er ta	in δ	9-	200% or less than the initial specified value								
	the rated voltage is applied for 2000 hours at 85°C with the polarity inverted every 250 hours. 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.												

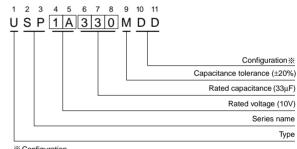
■Radial Lead Type





				(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 $33\mu F$)



Configuration Pb-free leadwire Pb-free PET sleeve 4 to 8 DD

■Dimensions

	V	6.3		10		16		25		35		50	
Cap.(μF)	Code	0J		1A		1C		1E		1V		1H	
0.1	0R1				1		1		1			4×7	1.0
0.22	R22		i		i		i		i		i	4×7	2.3
0.33	R33				1		1		1			4×7	3.5
0.47	R47				i		i		i		i	4×7	5.0
1	010											4×7	10
2.2	2R2				i		i		i		i	4×7	14
3.3	3R3						1		1	4×7	16	5×7	20
4.7	4R7		i		i	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		i	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		1
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		1		!	Case size	Rated
220	221	8×7	140				1		1			φD×L (mm)	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 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.