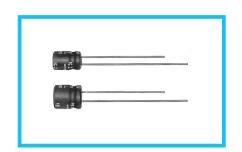


7mmL, Bi-Polarized



- Bi-polarized series with 7mm height.
- Extended capacitance range by an addition of φ8 product.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).

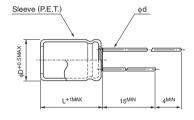




■Specifications

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 at 20°C, leakage current is not more than 0.05CV or 10 (µA), whichever is greater.											
	Mea							easurement frequency : 120Hz at 20°C				
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	1	0	16	25	.5 3		5	50		
3 3 ()	tan δ (MAX.)	0.24	0.20		0.16	0.1	6	0.	14	0.12		
	Measurement frequency: 120 Hz											
Stability at Law Tamparatura	Rated	ed voltage (V)		6.3	10	16	25 35		35	50		
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C		4	3	2		2	2	2		
	(MAX.)	Z-40°C / Z+20°C		8	6	4		4	3	3		
	The specifications listed at right shall be met								7			
Endurance	when the capacitors	after	Capacitance change tan δ			Within ±20% of the initial capacitance value 200% or less than the initial specified value						
Lituarance	the rated voltage is	at	Leakage current			Less than or equal to the initial specified value						
	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.											

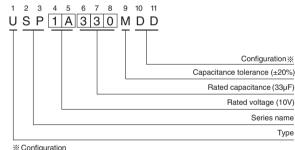
■ Radial Lead Type





				(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								
φD	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							4 × 7	1.0
0.22	R22				į						i	4 × 7	2.3
0.33	R33		I I		1		-				1	4 × 7	3.5
0.47	R47				-							4 × 7	5.0
1	010				į						i	4 × 7	10
2.2	2R2				1		-		1		-	4 × 7	¦14
3.3	3R3									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			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		1		1
100	101	8 × 7	95	8 × 7	110	8 × 7	125				-	Case size	Rated
220	221	8×7	140		1				1		Ţ	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.