

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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5mmL, Bi-Polarized



- •Bi-polarized series with 5mm height.
- Compliant to the RoHS directive (2011/65/EU).

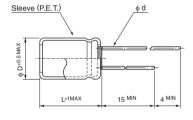


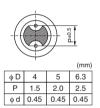


■Specifications

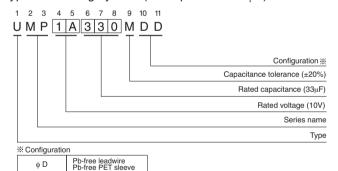
Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 to 47µF										
Rated Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.05CV or 10 (μA), whichever is greater.										
	Measurement frequency: 120Hz at 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10)	16	25	3	5	50		
	tan δ (MAX.)	0.24	0.2	20	0.17	0.17	0.	15	0.15		
	Measurement frequency : 120Hz										
0	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		
	The specifications listed at right shall be met Capacitance change Within ±20% of the initial capacitance value										1
Fadinasa	when the capacitor	tan δ	ice change	Within ±20% of the initial capacitance value 200% or less than the initial specified value							
Endurance	the rated voltage is				· ·						
	85°C with the polarity inverted every 250 hours. Leakage current Less than or equal to the initial specified value									1	
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.)1-4			
Marking	Printed with white color letter on black sleeve.										

■Radial Lead Type





Type numbering system (Example : 10V $33\mu F$)



■ Dimensions

	V	6.3		10		16		25		35		50	
Cap.(μF)	Code	0J		1A		1C		1E		1V		1H	
0.1	0R1				!		-					4×5	1.0
0.22	R22								i		i	4×5	2.0
0.33	R33		į į				-		1		-	4×5	2.8
0.47	R47				!							4×5	4.0
1	010								i			4×5	8.4
2.2	2R2		i		1		-		1	4×5	8.4	5×5	13
3.3	3R3							5×5	12	5×5	16	5×5	17
4.7	4R7					4×5	12	5×5	16	5×5	18	6.3×5	20
10	100			4×5	17	5×5	23	6.3×5	27	6.3×5	29		
22	220	5×5	28	6.3×5	33	6.3×5	37		-	•	-		
33	330	6.3×5	37	6.3×5	41	6.3×5	49					Case size	Rated
47	470	6.3×5	45									$\phi D \times L (mm)$	ripple

4 to 6.3

DD

Rated ripple current (mArms) at 85°C 120Hz

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	

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.