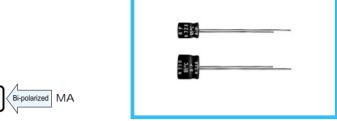




- Bi-polarized series with 5mm height.
- Compliant to the RoHS directive (2002/95/EC).

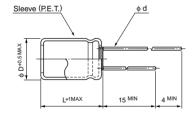


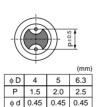


■Specifications

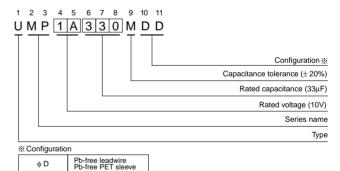
Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 to 47µF										
Rated Capacitance Tolerance	±20% at 120Hz, 20	±20% at 120Hz, 20°C									
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.05CV or 10 (µA), whichever is greater.										
	Measurement frequency: 120Hz, Temperature:							erature : 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										
	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 Canacitance change Within + 20% of the initial canacitance value										
Endurance	when the capacitor	<u> </u>	nce change	Within ±20% of the initial capacitance value							
	the rated voltage is applied for 2000 hours at				tan δ		200% or less than the initial specified value				
	85°C with the polar	Leakage	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





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						-					4×5	1.0
0.22	R22				i		İ		i			4×5	2.0
0.33	R33				1		1					4×5	2.8
0.47	R47											4×5	4.0
1	010						1					4×5	8.4
2.2	2R2				i		1		i	4×5	8.4	5×5	13
3.3	3R3		!		!		1	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		T
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						i			$\phi D \times L \text{ (mm)}$	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.