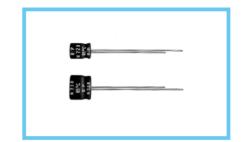




- Bi-polarized series with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).

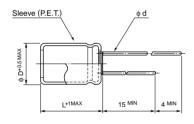


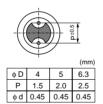


■Specifications

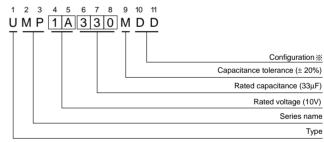
Item	Performance Characteristics											
Category Temperature Range	−40 ~ +85°C											
Rated Voltage Range	6.3 ~ 50V											
Rated Capacitance Range	0.1 ~ 47μF	0.1 ~ 47μF										
Rated Capacitance Tolerance	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.05CV or 10 (µA), whichever is greater.											
	Measurement frequency: 120Hz, Temperature: 20°C											
tan δ	Rated voltage (V)	6.3	10)	16	25	35		50			
	tan δ (MAX.)	0.24	0.2	20	0.17	0.17	0.	15	0.15			
Stability at Low Temperature	Measurement frequency: 120Hz											
	Rated voltage (V)			6.3	10	16	25	35	50			
	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' a	ipplication of i	ated vol	tage			1450	200/ 1: :	e 1 - 1 -		1	
Endurance	at 85°C with the po	tan δ	nce change	Within ±20% of initial value				-				
	hours, capacitors n			200% or less of initial specified value Initial specified value or less				-				
	requirements listed	Leakage current Initial specified va			ecified vali	ue or iess]				
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 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											4×5	2.8
0.47	R47						i		i			4×5	4.0
1	010											4×5	8.4
2.2	2R2						i		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		i				
33	330	6.3×5	37	6.3×5	41	6.3×5	49					Case size	Rated
47	470	6.3×5	45									φD×L (mm)	ripple

Rated Ripple (mArms) at 85°C 120Hz

• Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz ~
Coefficient	0.70	1.00	1.17	1.36	1.50

Please refer to page 21, 22, 23 about the formed or taped product spec. Please refer to page 3 for the minimum order quantity.