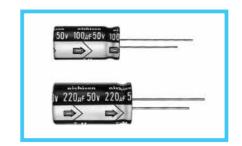




- Ideally suited for timer circuits.
- Excellent leakage current stability, even subjected to load or no load at high temperature for a long time.

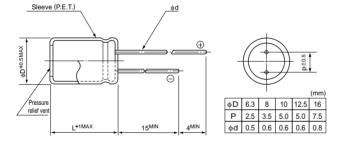




■Specifications

Item	Performance Characteristics								
Category Temperature Range	-40 ~ +85°C								
Rated Voltage Range	10 ~ 50V								
Rated Capacitance Range	1 ~ 470µF								
Capacitance Tolerance	±20% (M) (±10% (K) semi-standard) at 120Hz, 20°C								
Leakage Current	After 2 minutes' application of rated voltage, leakage current is 0.001CV+1 (µA) or less.								
	Measurement frequency: 120Hz, Temperature: 20°C								
tan δ	Rated voltage (V)	10	16	25		50			
	tan δ (MAX.)	0.17	0.13		0.1	0	0.08		
	Measurement frequency : 120Hz								
Stability at Low Temperature	Rated voltage (V)		10		16	25	50		
	Impedance ratio	Z-25°C / Z+20°C	2		2	1.5	1.5		
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	4		3	2	2		
								,	
Endurance	After 2000 hours' application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.			Capacitance change		Within ±10% of initial value			
				tan δ		150% or less of initial specified value			
				Leakage current		Initial specified value or less			
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the requirements for endurance characteristics listed above.								
Marking	Printed with white color letter on black sleeve.(PVC sleeve product : Printed with white color letter on dark blue sleeve)								

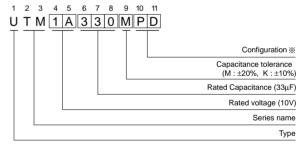
■Radial Lead Type



Dimensions

■Dimensions $\phi D \times L$ (m						
Cap.	V	10	16	25	50	
(μF)	Code	1A	1C	1E	1H	
1	010				6.3×11	
2.2	2R2				6.3×11	
3.3	3R3			6.3×11	6.3×11	
4.7	4R7			6.3×11	8×11.5	
10	100		6.3×11	8×11.5	10×12.5	
22	220	6.3×11	8×11.5	10×12.5	10×16	
33	330	8×11.5	10×12.5	10×16	10×20	
47	470	8×11.5	10×12.5	10×16	12.5×20	
100	101	10×16	10×20	12.5×20	12.5×25	
220	221	10×20	12.5×25	16×25	16×31.5	
330	331	12.5×25	16×25	16×25		
470	471	12.5×25	16×25	16×31.5		

Type numbering system (Example: 10V 33µF)



※Configuration

φD	Pb-free leadwire Pb-free PET sleeve	Sn-Pb finished leadwire PVC sleeve (containing Pb)		
6.3	ED	EA		
8 · 10	PD	PA		
12.5 · 16	HD	HA		

^{*} Please contact to us if other configurations are required.