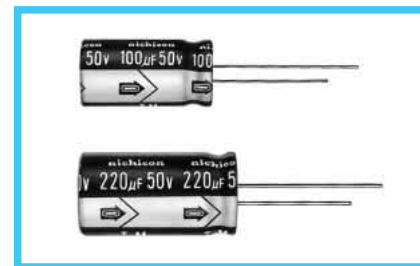




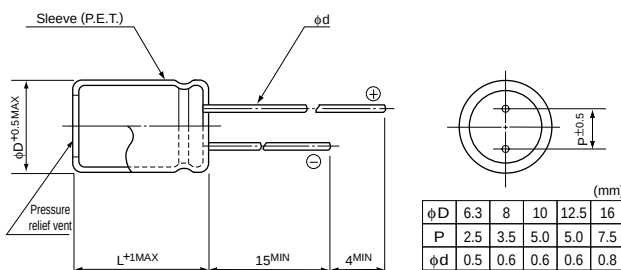
- Ideally suited for timer circuits.
- Excellent leakage current stability, even subjected to load or no load at high temperature for a long time.



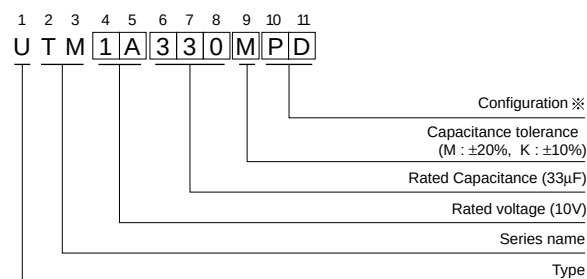
Specifications

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.					
tan δ	Measurement frequency : 120Hz, Temperature : 20°C					
	Rated voltage (V)	10	16	25	50	
	tan δ (MAX.)	0.17	0.13	0.10	0.08	
Stability at Low Temperature	Measurement frequency : 120Hz					
	Rated voltage (V)		10	16	25	50
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	2	2	1.5	1.5
		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



Type numbering system (Example : 10V 33μF)



Dimensions

		φD × L (mm)			
V		10	16	25	50
Cap (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	

※ Configuration

φ D	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.