

ALUMINUM ELECTROLYTIC CAPACITORS

深圳UKT10472MFD供应商

旋多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

KT

For General Audio Equipment,
Wide Temperature Range.
series



For Audio Use



Anti-Solvent
Feature

NEW

- 105°C standard for audio equipment.
- Adapted to the RoHS directive (2002/95/EC).

KT

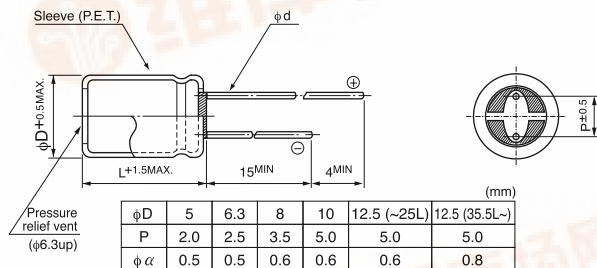
High Sound
Quality
VZ



Specifications

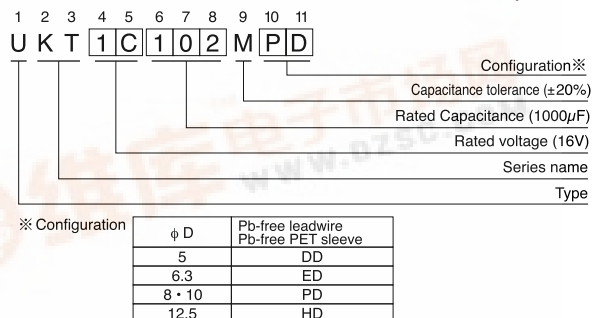
Item	Performance Characteristics	
Category Temperature Range	-55 ~ +105°C	
Rated Voltage Range	6.3 ~ 50V	
Rated Capacitance Range	0.1 ~ 10000µF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	After 1 minutes' application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater. After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.	
tan δ	Rated voltage (V)	6.3 10 16 25 35 50
	tan δ (MAX.)	0.30 0.26 0.22 0.18 0.16 0.14
Measurement frequency : 120Hz, Temperature : 20°C		
For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF		
Stability at Low Temperature	Rated voltage (V)	6.3 10 16 25 35 50
	Impedance ratio Z-25°C / Z+20°C	5 4 3 2 2 2
Measurement frequency : 120Hz		
ZT / Z20 (MAX.)		
Z-40°C / Z+20°C		
10 8 6 4 3 3		
Endurance	After 1000 hours' application of rated voltage at 105°C, capacitors meet the characteristics requirement listed at right.	
	Capacitance change	Within ±20% of initial value
	tan δ	200% or less of initial specified value
Shelf Life	After storing the capacitors under no load at 105°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.	
	Leakage current	
	Initial specified value or less	
Marking	Printed with black color letter on purpl blue sleeve.	

Radial Lead Type



• Please refer to page 21 about the end seal configuration.

Type numbering system (Example : 16V 1000µF)



Dimensions

v		6.3	10	16	25	35	50
Cap. (µF)	code	0J	1A	1C	1E	1V	1H
0.1	0R1						5 × 11 1.3
0.22	R22						5 × 11 2.9
0.33	R33						5 × 11 4.3
0.47	R47						5 × 11 7.0
1	010						5 × 11 13
2.2	2R2						5 × 11 20
3.3	3R3						5 × 11 25
4.7	4R7						5 × 11 30
10	100						5 × 11 46
22	220	5 × 11 45	5 × 11 45	5 × 11 54	5 × 11 58	5 × 11 61	5 × 11 68
33	330	5 × 11 55	5 × 11 58	5 × 11 65	5 × 11 68	5 × 11 75	5 × 11 90
47	470	5 × 11 65	5 × 11 68	5 × 11 79	5 × 11 83	5 × 11 93	6.3 × 11 115
100	101	5 × 11 95	5 × 11 105	5 × 11 115	6.3 × 11 140	6.3 × 11 150	8 × 11.5 190
220	221	6.3 × 11 160	6.3 × 11 175	6.3 × 11 190	8 × 11.5 240	8 × 11.5 260	10 × 12.5 300
330	331	6.3 × 11 195	8 × 11.5 240	8 × 11.5 265	8 × 11.5 290	10 × 12.5 350	10 × 16 410
470	471	8 × 11.5 270	8 × 11.5 280	8 × 11.5 315	10 × 12.5 380	10 × 16 460	12.5 × 20 530
1000	102	10 × 12.5 420	10 × 16 500	10 × 16 560	10 × 20 680	12.5 × 25 860	12.5 × 31.5 1040
2200	222	10 × 20 710	12.5 × 20 810	12.5 × 20 920	12.5 × 31.5 1200	12.5 × 40 1260	
3300	332	12.5 × 20 910	12.5 × 25 1050	12.5 × 31.5 1270	12.5 × 35.5 1400		
4700	472	12.5 × 25 1120	12.5 × 35.5 1300	12.5 × 35.5 1480			
6800	682	12.5 × 35.5 1360	12.5 × 40 1570				
10000	103	12.5 × 40 1650					
						Case size φ D × L (mm)	Rated ripple

Rated Ripple (mArms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Frequency (Hz)	50Hz	120Hz	300Hz	1kHz	10kHz ~
Cap. (µF)					
~ 47	0.75	1.00	1.35	1.57	2.00
100 ~ 470	0.80	1.00	1.23	1.34	1.50

Please refer to page 21, 22, 23 about the formed or extended product sizes.