

ALUMINUM ELECTROLYTIC CAPACITORS

直销UKW1632MFD供应商

旋多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

KW series

Standard, For Audio Equipment



Smaller



For Audio Use



Anti-Solvent Feature

KW

High Sound Quality
FW

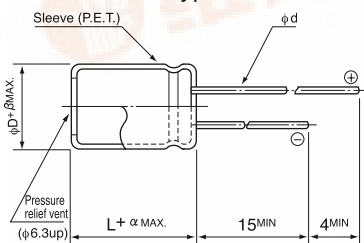


- Realization of a harmonious balance of sound quality, made possible by the development of new electrolyte.
- Most suited for AV equipment like DVD, MD.
- Adapted to the RoHS directive (2002/95/EC).

Specifications

Item	Performance Characteristics																											
Category Temperature Range	-40 ~ +85°C																											
Rated Voltage Range	6.3 ~ 100V																											
Rated Capacitance Range	0.1 ~ 33000μF																											
Capacitance Tolerance	±20% at 120Hz, 20°C																											
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.03 CV or 4 (μA) , whichever is greater. After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (μA) , whichever is greater.																											
tan δ	<table><tr><td>Rated voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>tan δ (MAX.)</td><td>0.28</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td></tr></table>									Rated voltage (V)	6.3	10	16	25	35	50	63	100	tan δ (MAX.)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	Measurement frequency : 120Hz, Temperature : 20°C
	Rated voltage (V)	6.3	10	16	25	35	50	63	100																			
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For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF.																												
Stability at Low Temperature	Measurement frequency : 120Hz																											
	Rated voltage (V)		6.3	10	16	25	35	50	63	100																		
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	5	4	3	2	2	2	2	2																		
		Z-40°C / Z+20°C	12	10	8	5	4	3	3	3																		
Endurance	After 2000 hours' application of voltage at 85°C, capacitors meet the characteristic requirements listed at right.					<table><tr><td>Capacitance change</td><td colspan="4">Within ±20% of initial value</td></tr><tr><td>tan δ</td><td colspan="4">200% or less of initial specified value</td></tr><tr><td>Leakage current</td><td colspan="4">Initial specified value or less</td></tr></table>					Capacitance change	Within ±20% of initial value				tan δ	200% or less of initial specified value				Leakage current	Initial specified value or less						
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Leakage current	Initial specified value or less																											
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 gold color letter on black sleeve.																											

Radial Lead Type



φD	5	6.3	8	10	12.5	16	18	20	22	25
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10	10	12.5
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.0	1.0	1.0
β	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
α	(φD < 20) 1.5 (φD ≥ 20) 2.0									

Type numbering system (Example : 10V 1000μF)

1	2	3	4	5	6	7	8	9	10	11									
U	K	W	1	A	1	0	2	M	P	D									
Configuration																			
Capacitance tolerance (±20%)																			
Rated Capacitance (1000μF)																			
Rated voltage (10V)																			
Series name																			
Type																			
φ D	5	DD																	
6.3	ED																		
8 · 10	PD																		
12.5 ~ 18	HD																		
20 ~ 25	RD																		

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

Dimensions

Cap. (μF)	V	6.3	10	16	25	35	50	63	100
	Code	0J	1A	1C	1E	1V	1H	1J	2A
0.1	0R1						5×11	1.1	5×11
0.22	R22						5×11	2.4	5×11
0.33	R33						5×11	3.5	5×11
0.47	R47						5×11	5.0	5×11
1	010						5×11	10	5×11
2.2	2R2						5×11	23	5×11
3.3	3R3						5×11	35	5×11
4.7	4R7						5×11	40	5×11
10	100						5×11	65	5×11
22	220						5×11	95	5×11
33	330						5×11	120	5×11
47	470						5×11	150	5×11
100	101						5×11	200	5×11
220	221						5×11	250	5×11
330	331						5×11	320	5×11
470	471						5×11	420	5×11
1000	102						5×11	530	5×11
2200	222						5×11	630	5×11
3300	332						5×11	770	5×11
4700	472						5×11	950	5×11
6800	682						5×11	1150	5×11
10000	103						5×11	1400	5×11
15000	153						5×11	1800	5×11
22000	223						5×11	2200	5×11
33000	333						5×11	2700	5×11

Frequency coefficient of rated ripple current

Cap. (μF)	50Hz	120Hz	300Hz	1kHz	10kHz ~
100 ~ 470	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 taped product spec.

Rated Ripple (mArms) at 85°C 120Hz