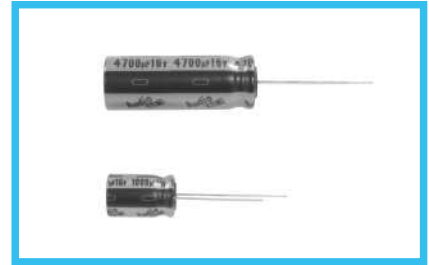
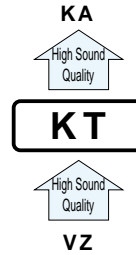


ALUMINUM ELECTROLYTIC CAPACITORS



KT For General Audio Equipment,
Wide Temperature Range.
series

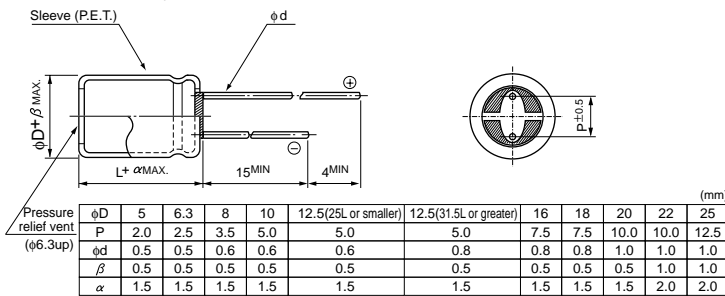


- 105° C standard for audio equipment
- Compliant to the RoHS directive (2002/95/EC).

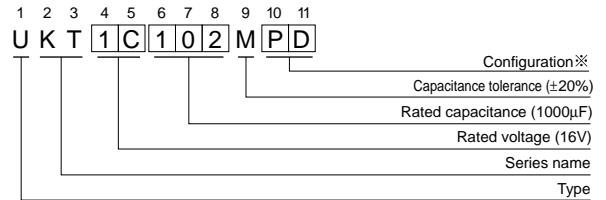
Specifications

Item	Performance Characteristics																								
Category Temperature Range	-55 to +105°C																								
Rated Voltage Range	6.3 to 50V																								
Rated Capacitance Range	0.1 to 33000μF																								
Capacitance Tolerance	±20% at 120Hz, 20°C																								
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.03CV 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.																								
Tangent of loss angle (tan δ)	<table border="1"> <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> </tr> <tr> <td>tan δ (MAX.)</td> <td>0.30</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> </tr> </table> <p>Measurement frequency : 120Hz at 20°C For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF</p>	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										
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tan δ (MAX.)	0.30	0.26	0.22	0.18	0.16	0.14																			
Stability at Low Temperature	<table border="1"> <tr> <td colspan="2">Rated voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td rowspan="2">Impedance ratio ZT / Z20 (MAX.)</td> <td>Z-25° C / Z+20°C</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40° C / Z+20°C</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table> <p>Measurement frequency : 120Hz</p>	Rated voltage (V)		6.3	10	16	25	35	50	Impedance ratio ZT / Z20 (MAX.)	Z-25° C / Z+20°C	5	4	3	2	2	2	Z-40° C / Z+20°C	10	8	6	4	3	3	
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Impedance ratio ZT / Z20 (MAX.)	Z-25° C / Z+20°C	5	4	3	2	2	2																		
	Z-40° C / Z+20°C	10	8	6	4	3	3																		
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20° C after the rated voltage is applied for 1000 hours at 105°C.	<table border="1"> <tr> <td>Capacitance change</td> <td>Within ±20% of the initial capacitance value</td> </tr> <tr> <td>tan δ</td> <td>200% or less than the initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>Less than or equal to the initial specified value</td> </tr> </table>	Capacitance change	Within ±20% of the initial capacitance value	tan δ	200% or less than the initial specified value	Leakage current	Less than or equal to the initial specified value																	
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tan δ	200% or less than the initial specified value																								
Leakage current	Less than or equal to the initial specified value																								
Shelf Life	After storing the capacitors under no load at 105° C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20° C, they shall meet the specified values for the endurance characteristics listed above.																								
Marking	Printed with black color letter on pearl blue sleeve.																								

Radial Lead Type



Type numbering system (Example : 16V 1000μF)



※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
5	DD
6.3	ED
8 . 10	PD
12.5 to 18	HD
20 to 25	RD

Dimensions

• Please refer to page 20 about the end seal configuration.

Cap.(μF)	v	6.3	10	16	25	35	50
code		0J	1A	1C	1E	1V	1H
						5	1.3
							2.9
							4.3
							7.0
							13
							20
							25
							30
							46
							68
							90
							115
							190
							300
							410
							530
							1040
							1470
							1770
							2100
							2500

Case size
φ D × L (mm) Rated ripple

Frequency coefficient of rated ripple current

Cap.(μF)	Frequency	50Hz	120Hz	300Hz	1kHz	10kHz or more
0.1 to 47		0.75	1.00	1.35	1.57	2.00
100 to 470		0.80	1.00	1.23	1.34	1.50
1000 to 33000		0.85	1.00	1.10	1.13	1.15

Rated ripple current (mA_{rms}) at 105°C 120Hz

Please refer to page 20, 21, 22 about the formed or taped product spec.
Please refer to page 4 for the minimum order quantity.