

ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

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MUSE **UKZ**

Premium Grade Type, For Audio Equipment



- Premium grade "nichicon MUSE" acoustic series.
- Ideally suited for first class audio equipment where qualitative and quantitative comfortableness is required.
- Compliant to the RoHS directive (2011/65/EU).

UKZ **High Grade** **UFG**

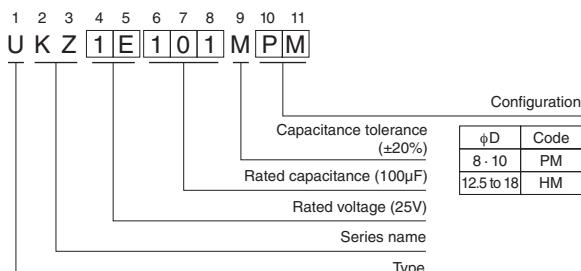
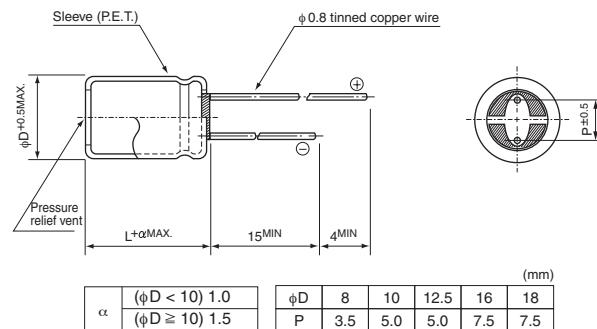


■ Specifications

| Item | Performance Characteristics | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|------|------|--------------------|--|-------|---|-----------------|---|------|------|-----------------|---|---|---|-----------------|--|--|--|
| Category Temperature Range | -40 to +85°C | | | | | | | | | | | | | | | | | | |
| Rated Voltage Range | 25 to 100V | | | | | | | | | | | | | | | | | | |
| Rated Capacitance Range | 10 to 1000µF | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% at 120Hz, 20°C | | | | | | | | | | | | | | | | | | |
| Leakage Current | After 1 minute's application of rated voltage at 20°C, leakage current is 0.01CV or less. | | | | | | | | | | | | | | | | | | |
| Tangent of loss angle (tan δ) | Measurement frequency : 120Hz at 20°C <table border="1"> <tr> <th>Rated voltage (V)</th> <th>25</th> <th>50</th> <th>100</th> </tr> <tr> <th>tan δ (MAX.)</th> <td>0.12</td> <td>0.08</td> <td>0.07</td> </tr> </table> | | | Rated voltage (V) | 25 | 50 | 100 | tan δ (MAX.) | 0.12 | 0.08 | 0.07 | | | | | | | | |
| Rated voltage (V) | 25 | 50 | 100 | | | | | | | | | | | | | | | | |
| tan δ (MAX.) | 0.12 | 0.08 | 0.07 | | | | | | | | | | | | | | | | |
| Stability at Low Temperature | Measurement frequency : 120Hz <table border="1"> <tr> <th>Rated voltage (V)</th> <th>25</th> <th>50</th> <th>100</th> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>ZT / Z20 (MAX.)</td> <td>4</td> <td>3</td> <td>3</td> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td></td> <td></td> <td></td> </tr> </table> | | | Rated voltage (V) | 25 | 50 | 100 | Z-25°C / Z+20°C | 2 | 2 | 2 | ZT / Z20 (MAX.) | 4 | 3 | 3 | Z-40°C / Z+20°C | | | |
| Rated voltage (V) | 25 | 50 | 100 | | | | | | | | | | | | | | | | |
| Z-25°C / Z+20°C | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| ZT / Z20 (MAX.) | 4 | 3 | 3 | | | | | | | | | | | | | | | | |
| Z-40°C / Z+20°C | | | | | | | | | | | | | | | | | | | |
| 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 85°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>150% 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 | 150% or less than the initial specified value | Leakage Current | Less than or equal to the initial specified value | | | | | | | | | | |
| Capacitance change | Within ±20% of the initial capacitance value | | | | | | | | | | | | | | | | | | |
| tan δ | 150% 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 85°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 gold color letter on black sleeve. | | | | | | | | | | | | | | | | | | |

■ Radial Lead Type

Type numbering system (Example : 25V 100µF)



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

■ Dimensions

$\phi D \times L$ (mm)

| Cap.(µF) | Code | V | | |
|----------|------|-----------|-----------|-----------|
| | | 25 | 50 | 100 |
| 10 | 100 | | | 8 x 11.5 |
| 22 | 220 | | 8 x 11.5 | 10 x 16 |
| 33 | 330 | 8 x 11.5 | 10 x 12.5 | 10 x 20 |
| 47 | 470 | 10 x 12.5 | 10 x 16 | 12.5 x 20 |
| 100 | 101 | 10 x 16 | 12.5 x 20 | 16 x 25 |
| 220 | 221 | 12.5 x 20 | 16 x 25 | 16 x 35.5 |
| 330 | 331 | 12.5 x 25 | 16 x 31.5 | 18 x 35.5 |
| 470 | 471 | 16 x 25 | 16 x 35.5 | |
| 1000 | 102 | 16 x 35.5 | 18 x 40 | |

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