

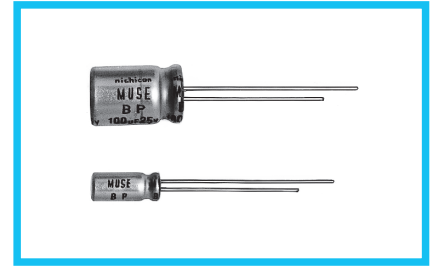
ALUMINUM ELECTROLYTIC CAPACITORS



Bi-Polarized, For Audio Equipment



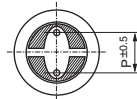
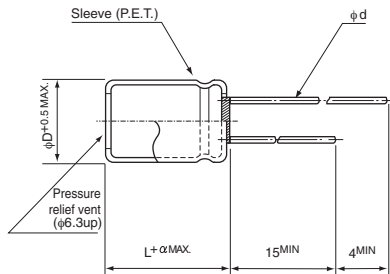
- Bi-polarized “nichicon MUSE” acoustic series.
- Suited for audio signal circuits.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).



Specifications

| Item | Performance Characteristics | | | | | | | |
|-------------------------------|--|---|------|------|------|------|------|----|
| Category Temperature Range | -40 to +85°C | | | | | | | |
| Rated Voltage Range | 6.3 to 50V | | | | | | | |
| Rated Capacitance Range | 1 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 not more than 0.03CV or 3 (μA), whichever is greater. | | | | | | | |
| Tangent of loss angle (tan δ) | Measurement frequency : 120Hz at 20°C | | | | | | | |
| | Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | |
| | tan δ (MAX.) | 0.24 | 0.20 | 0.16 | 0.16 | 0.14 | 0.12 | |
| Stability at Low Temperature | Measurement frequency : 120Hz | | | | | | | |
| | Rated voltage (V) | | 6.3 | 10 | 16 | 25 | 35 | 50 |
| | Impedance ratio (MAX.) | Z-25°C / Z+20°C | 4 | 3 | 2 | 2 | 2 | 2 |
| Z-40°C / Z+20°C | | 8 | 6 | 4 | 4 | 4 | 4 | |
| 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 with the polarity inverted every 250 hours. | | | | | | | |
| | 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 black color letter on clear green sleeve. | | | | | | | |

Radial Lead Type

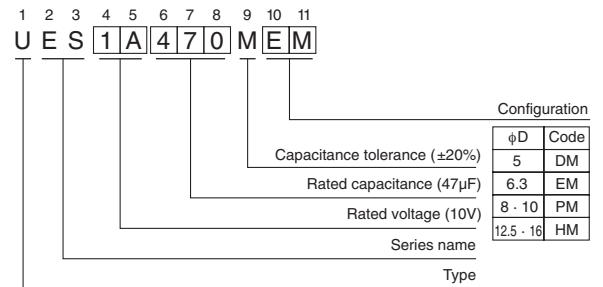


| | (mm) | | | | | |
|----|------|-----|-----|-----|------|-----|
| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 |
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 |
| φd | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |

| | | |
|---|----------|-----|
| α | (φD < 8) | 1.0 |
| | (φD ≥ 8) | 1.5 |

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

Type numbering system (Example : 10V 47μF)



Dimensions

| Cap.(μF) | Code | V | | | | | | φD × L (mm) |
|----------|------|-----------|-----------|-----------|-----------|-----------|----|-------------|
| | | 6.3 | 10 | 16 | 25 | 35 | 50 | |
| 1 | 010 | 0J | 1A | 1C | 1E | 1V | 1H | 5 × 11 |
| 2.2 | 2R2 | | | | | | | 5 × 11 |
| 3.3 | 3R3 | | | | | | | 5 × 11 |
| 4.7 | 4R7 | | | | | | | 5 × 11 |
| 10 | 100 | | | 5 × 11 | 5 × 11 | 5 × 11 | | 6.3 × 11 |
| 22 | 220 | | 5 × 11 | 6.3 × 11 | 6.3 × 11 | 8 × 11.5 | | 8 × 11.5 |
| 33 | 330 | 5 × 11 | 6.3 × 11 | 6.3 × 11 | 8 × 11.5 | 10 × 12.5 | | 10 × 12.5 |
| 47 | 470 | 6.3 × 11 | 6.3 × 11 | 8 × 11.5 | 10 × 12.5 | 10 × 12.5 | | 10 × 20 |
| 100 | 101 | 8 × 11.5 | 10 × 12.5 | 10 × 12.5 | 10 × 16 | 10 × 20 | | 12.5 × 25 |
| 220 | 221 | 10 × 12.5 | 10 × 16 | 10 × 20 | 12.5 × 25 | 12.5 × 25 | | 16 × 25 |
| 330 | 331 | 10 × 16 | 10 × 20 | 12.5 × 20 | 12.5 × 25 | 16 × 25 | | 16 × 31.5 |
| 470 | 471 | 10 × 20 | 12.5 × 20 | 12.5 × 25 | 16 × 25 | 16 × 25 | | 16 × 25 |
| 1000 | 102 | 12.5 × 25 | 16 × 25 | 16 × 25 | 16 × 31.5 | | | 16 × 25 |

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

[UES0J101MPM](#) [UES0J102MHM](#) [UES0J221MPM](#) [UES0J330MDM](#) [UES0J331MPM](#) [UES0J470MEM](#)
[UES0J471MPM](#) [UES1A101MPM](#) [UES1A102MHM](#) [UES1A220MDM](#) [UES1A221MPM](#) [UES1A330MEM](#)
[UES1A331MPM](#) [UES1A470MEM](#) [UES1A471MHM](#) [UES1C100MDM](#) [UES1C101MPM](#) [UES1C102MHM](#)
[UES1C220MEM](#) [UES1C221MPM](#) [UES1C330MEM](#) [UES1C331MHM](#) [UES1C470MPM](#) [UES1C471MHM](#)
[UES1E100MDM](#) [UES1E101MPM](#) [UES1E102MHM](#) [UES1E221MHM](#) [UES1E330MPM](#) [UES1E331MHM](#)
[UES1E470MPM](#) [UES1E471MHM](#) [UES1E4R7MDM](#) [UES1H010MDM](#) [UES1H100MPM](#) [UES1H220MPM](#)
[UES1H221MHM](#) [UES1H2R2MDM](#) [UES1H330MPM](#) [UES1H331MHM](#) [UES1H3R3MDM](#) [UES1H470MPM](#)
[UES1H4R7MEM](#) [UES1HR47MDM](#) [UES1V101MPM](#) [UES1V220MPM](#) [UES1V221MHM](#) [UES1V330MPM](#)
[UES1V331MHM](#) [UES1V470MPM](#) [UES1V471MHM](#) [UES1V4R7MDM](#) [UES1V470MPH](#) [UES1H101MHM](#)
[UES1E220MEM](#) [UES1V100MEM](#) [UES0J471MHM](#) [UES1H330MPM1TD](#) [UES1V101MPM1TD](#) [UES1A221MPM1TD](#)
[UES1E100MDM1TD](#) [UES1H470MPM1TD](#) [UES0J331MPM1TD](#) [UES1C470MPM1TD](#) [UES0J102MHM1TO](#)
[UES1V330MPM1TD](#) [UES1C331MHM1TO](#) [UES1A331MPM1TD](#) [UES1V4R7MDM1TD](#) [UES1H100MPM1TD](#)
[UES1C221MPM1TD](#) [UES1E101MPM1TD](#) [UES1C102MHM1TO](#) [UES1H3R3MDM1TD](#) [UES1C471MHM1TO](#)
[UES0J101MPM1TD](#) [UES0J221MPM1TD](#) [UES1A101MPM1TD](#) [UES1C100MDM1TD](#) [UES1C220MEM1TD](#)
[UES1E220MEM1TD](#) [UES1E221MHM1TO](#) [UES1E330MPM1TD](#) [UES1E4R7MDM1TD](#) [UES1H010MDM1TD](#)
[UES1H220MPM1TD](#) [UES1H4R7MEM1TD](#) [UES1V100MEM1TD](#) [UES1V220MPM1TD](#) [UES1V470MPM1TD](#)
[UES1H101MHM1TO](#) [UES1C101MPM1TD](#) [UES1A220MDM1TD](#) [UES1H2R2MDM1TD](#) [UES1E470MPM1TD](#)
[UES1C330MEM1TD](#) [UES1A470MEM1TD](#) [UES0J470MEM1TD](#) [UES1V221MHM1TO](#) [UES1A471MHM1TO](#)