

ALUMINUM ELECTROLYTIC CAPACITORS

AS系列UAS2D10 MHD 供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

AS

Wide Temperature Range, Miniature Type Permissible
Abnormal Voltage
series



Smaller

AQ



AS

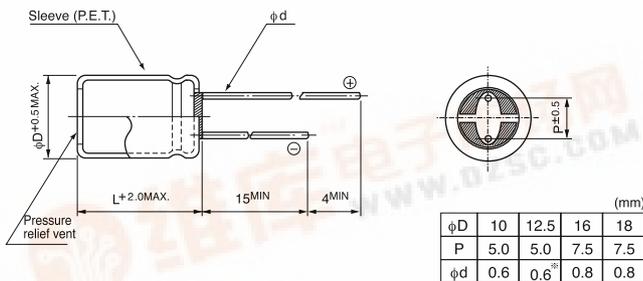


- Improved safety feature for abnormally excessive voltage.
- High ripple current product.
- Adapted to the RoHS directive (2002/95/EC).

Specifications

| Item | Performance Characteristics | |
|---|--|--|
| Category Temperature Range | -40 ~ +105°C | |
| Rated Voltage Range | 200V | |
| Rated Capacitance Range | 33 ~ 330μF | |
| Capacitance Tolerance | ±20% at 120Hz, 20°C | |
| Leakage Current | After 1 minute's application of rated voltage, leakage current is 0.04CV+100 (μA) or less. | |
| tan δ | Rated voltage (V) | 200 |
| | tan δ (MAX.) | 0.15 |
| Measurement frequency: 120Hz, Temperature: 20°C | | |
| Stability at Low Temperature | Rated voltage (V) | 200 |
| | Impedance ratio ZT / Z20 (MAX.) | Z-25°C / Z+20°C : 3 Z-40°C / Z+20°C : 6 |
| Measurement frequency : 120Hz | | |
| Endurance | After an application of D.C. bias voltage plus the rated ripple current for 2000 hours at 105°C the peak voltage shall not exceed the rated D.C. voltage, capacitors meet the characteristic requirements listed at right. | |
| | Capacitance change | Within ±20% of initial value |
| | tan δ | 200% or less of initial specified value |
| Shelf Life | After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed above. | |
| | Leakage current | |
| Safety Performance | The pressure relief vent will operate in normal conditions, with no dangerous conditions such as flames, ignitions or dispersion of pieces of the capacitor and / or case. | |
| | voltage (V) | Test conditions |
| | | Limited DC current |
| 200 | 4A (5A : 330μF) | 300VDC and 375VDC |
| Marking | Printed with white color letter on dark brown sleeve. | |

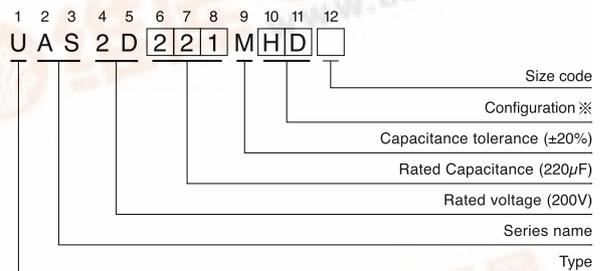
Radial Lead Type



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

※ In case L>25 for φ12.5 (D) case sizes, lead diameter φ0.8 (d) will be applied.

Type numbering system (Example : 200V 220μF)



※ Configuration

| φ D | Pb-free leadwire Pb-free PET sleeve |
|---------|--|
| 10 | PD |
| 12.5~18 | HD |

Dimensions

| Cap. (μF) | Code | 200 (2D) | | | | Case size φD × L (mm) | Rated ripple |
|-----------|------|----------|-------|-------------|-----|-----------------------|--------------|
| | | φ10 | φ12.5 | φ16 | φ18 | | |
| 33 | 330 | 10 × 20 | 160 | | | | |
| 47 | 470 | 10 × 25 | 195 | ▲ 12.5 × 20 | 195 | | |
| 56 | 560 | | | 12.5 × 20 | 210 | | |
| 68 | 680 | | | 12.5 × 25 | 320 | | |
| 82 | 820 | | | 12.5 × 25 | 360 | | |
| 100 | 101 | | | 12.5 × 31.5 | 430 | | |
| 150 | 151 | | | ▲ 16 × 20 | 430 | | |
| 180 | 181 | | | 16 × 25 | 460 | ▲ 18 × 20 | |
| 220 | 221 | | | 16 × 31.5 | 600 | ▲ 18 × 25 | |
| 270 | 271 | | | | | 18 × 31.5 | |
| 330 | 331 | | | | | 18 × 35.5 | |
| | | | | | | 18 × 40 | |
| | | | | | | 910 | |

Rated Ripple (mArms) at 105°C 120Hz

▲: In this case, 6 will be put at 12th digit of type numbering system.

Frequency coefficient of rated ripple current

| Frequency | 50, 60Hz | 120Hz | 300Hz | 1kHz | 10kHz ~ |
|-----------|----------|-------|-------|------|---------|
| | | | | | |

