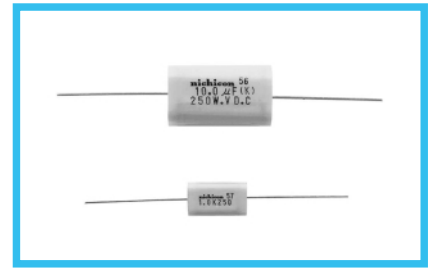


AK Metallized Polyester Film Capacitor series (Tape-wrapped Axial Compact Type)

- Non-inductive construction, compact size, metallized film capacitor with axial lead wires.
- Highly reliable with self-healing property.
- Minimum loss at high frequency.
- Tape-wrapped and epoxy endfilled at both leads for superior mechanical strength and humidity resistance.
- High capacitance value, offering a wide variety of applications.
- Compliant to the RoHS directive (2002/95/EC).



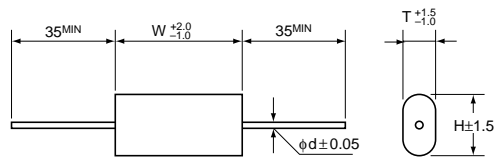
Applications

- Filtering DC-blocking, coupling and so on of general communications equipment and use in AC circuits for motor starting, charging / discharging, lighting, etc.
- Some A.C. applications may cause capacitor failure, over heating of the capacitors and/or discharge may be the result. Please contact us about details for A.C. application.

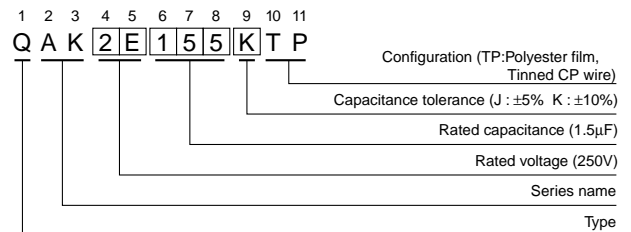
Specifications

| Item | Performance Characteristics | |
|----------------------------|--|------------------------------------|
| Category Temperature Range | -40 to +85°C | |
| Rated Voltage | 250, 400, 630VDC | |
| Rated Capacitance Range | 0.1 to 10μF | |
| Capacitance Tolerance | ±5% (J), ±10% (K) | |
| Dielectric Loss Tangent | 1.0% or less (at 1kHz 20°C) | |
| Insulation Resistance | C ≤ 0.33μF : 9000 MΩ or more C > 0.33μF : 3000 ΩF or more | |
| Withstand Voltage | Between Terminals | Rated Voltage × 175%, 1 to 5 secs. |
| | Between Terminals and Coverage | Rated Voltage × 200%, 1 to 5 secs. |
| Encapsulation | Adhesive polyester film, epoxy resin | |

Drawing



Type numbering system (Example : 250V 1.5μF)



Dimensions

Unit : mm

| Cap.(μF) | V(Code) Size Code | 250VDC (2E) | | | | 400VDC (2G) | | | | 630VDC (2J) | | | |
|----------|-------------------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| | | T | W | H | d | T | W | H | d | T | W | H | d |
| 0.1 | 104 | | | | | | | | | 4.5 | 28.0 | 11.0 | 0.8 |
| 0.15 | 154 | | | | | | | | | 6.0 | 28.0 | 12.5 | 0.8 |
| 0.22 | 224 | | | | | | | | | 7.0 | 28.0 | 15.0 | 0.8 |
| 0.33 | 334 | | | | | 6.0 | 23.0 | 14.0 | 0.8 | 9.0 | 28.0 | 17.0 | 0.8 |
| 0.47 | 474 | 4.0 | 23.0 | 10.5 | 0.8 | 7.5 | 23.0 | 15.5 | 0.8 | 9.5 | 33.0 | 17.5 | 0.8 |
| 0.68 | 684 | 5.5 | 23.0 | 11.5 | 0.8 | 7.5 | 28.0 | 15.5 | 0.8 | 10.0 | 38.0 | 19.5 | 1.0 |
| 1.0 | 105 | 6.0 | 23.0 | 14.0 | 0.8 | 9.5 | 28.0 | 17.5 | 0.8 | 11.0 | 44.0 | 20.5 | 1.0 |
| 1.5 | 155 | 6.5 | 28.0 | 14.5 | 0.8 | 11.5 | 28.0 | 21.0 | 0.8 | 14.5 | 44.0 | 23.5 | 1.0 |
| 2.2 | 225 | 8.0 | 28.0 | 16.0 | 0.8 | 12.0 | 33.0 | 21.5 | 0.8 | 16.5 | 50.0 | 26.0 | 1.0 |
| 3.3 | 335 | 8.0 | 33.0 | 18.0 | 0.8 | 15.5 | 33.0 | 25.0 | 0.8 | 21.0 | 50.0 | 30.0 | 1.0 |
| 4.7 | 475 | 10.5 | 33.0 | 20.0 | 0.8 | 17.0 | 39.0 | 26.5 | 1.0 | | | | |
| 6.8 | 685 | 12.0 | 38.0 | 21.0 | 1.0 | | | | | | | | |
| 10.0 | 106 | 15.0 | 38.0 | 24.0 | 1.0 | | | | | | | | |