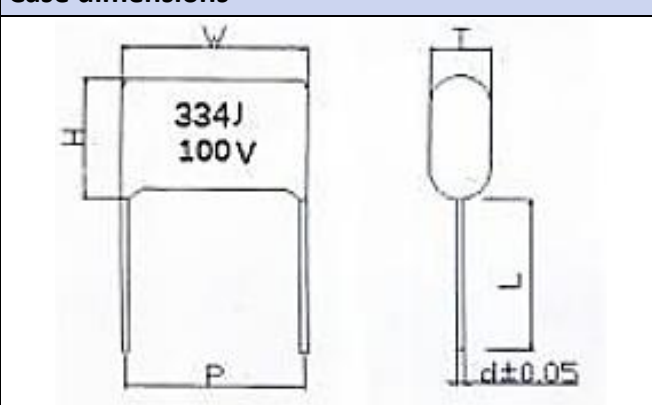


Metalized Polyester Film Capacitor

















| Primary characteristics | | |
|-------------------------|-------|------|
| Parameter | Value | Unit |
| Capacitance | 1.5 | nF |
| Rated voltage | 2000 | VDC |

Features

- Pb-free and RoHS compliant
- Plastic case according to UL94V-0
- Small size, good self-healing effect

| Case dimensions | | | | | | |
|--|-----------|-----------|------------|------------|--------------|---|
|  | | | | | | |
| Unit | W | H | T | P | φd | L |
| mm | 18 MAX | 11 MAX | 5.0 MAX | 15 ±0.5 | 0.6 ±0.05 | - |

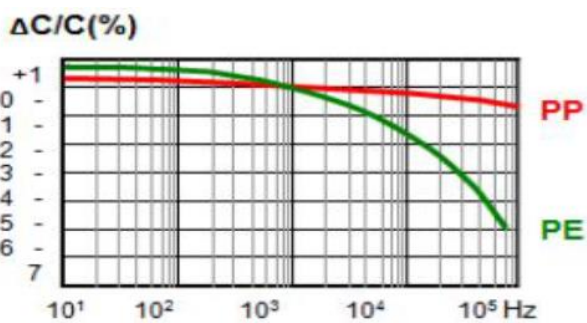
| Part numbering system | | | | | | | |
|-----------------------|---|-----------------------|-----------------------|--------------|-------------|---|---------|
| AFC | 152 | J | K | 06P | 00 | U | T |
| Series code | Capacitance $15\text{pF} \times 10^2 = 1.5\text{nF}$ | Capacitance tolerance | Rated voltage marking | Lead width | Lead length | Lead configuration | Packing |
| | | J ±5% | K 2000V | 01P 2.5mm | - | See: lead configuration below | B Bulk |
| | | K ±10% | | 02P 5.0mm | | | T Tape |
| | | M ±20% | | 03P 7.5mm | | | |
| | | | | nP n x 2.5mm | | | |

| Lead configuration | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead type |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Code | L | M | N | B | C | D | E | F | G | H | K | T | U | W | R | S |

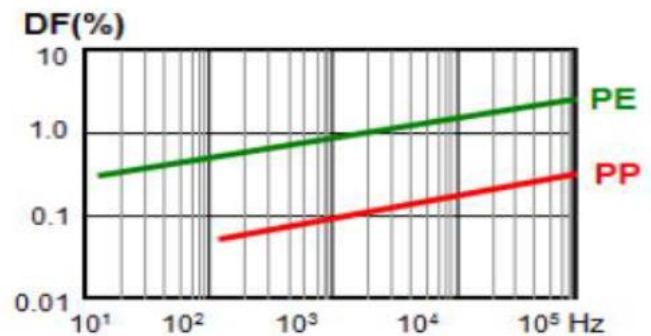
| Specifications | | | |
|--|----------|------------------------|------|
| Parameter | | Value | Unit |
| Operating temperature range | | -40 ~ 85 typ.; 105 max | °C |
| Climatic category | | 40/105/56 | |
| Standard capacitance (C _R) | | 1.5 | nF |
| Capacitance tolerance | | ±5 | % |
| Rated voltage | | 2000 | VDC |
| Insulation resistance @20°C, 1min; @10VDC | C≤0.33μF | ≥3000 | MΩ |
| | C>0.33μF | ≥1000 | S |

Frequency characteristics

Capacitance vs. frequency

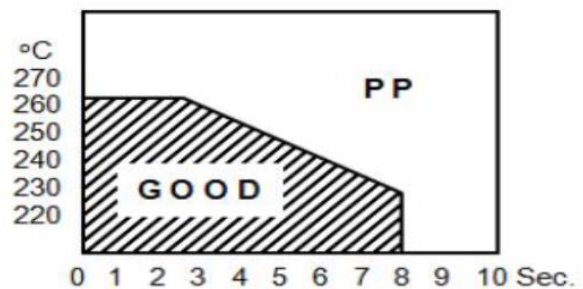
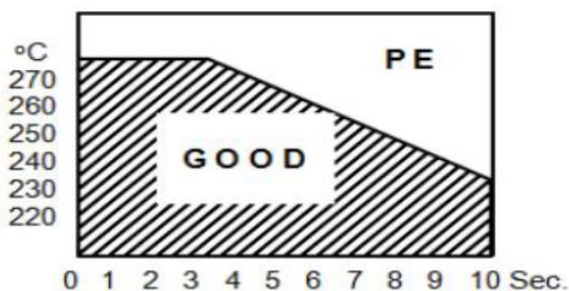


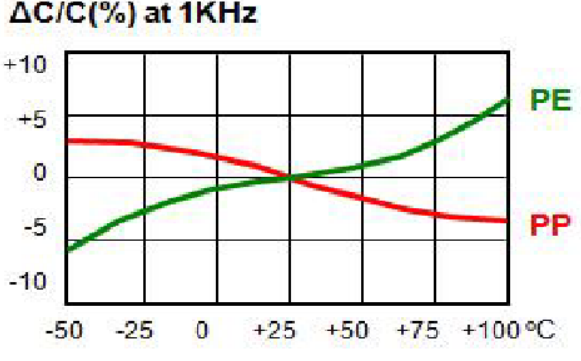
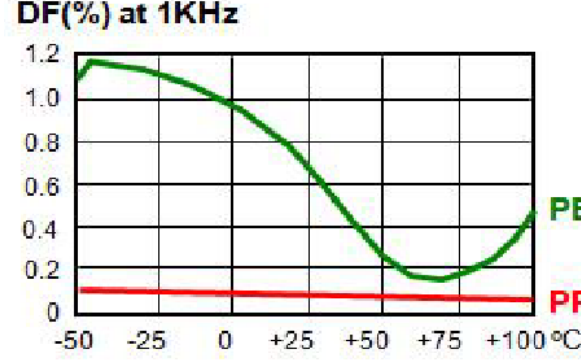
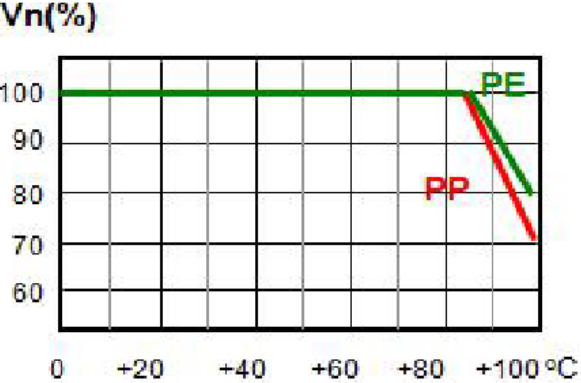
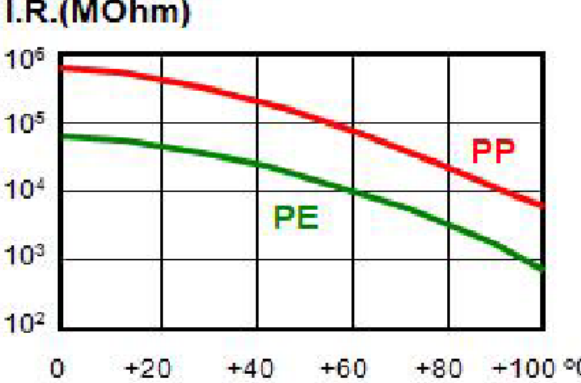
Dissipation factor vs. frequency



Soldering characteristic

Soldering temperature vs time



| Temperature characteristic | |
|--|--|
| <p>Capacitance vs. temperature</p>  <p>ΔC/C(%) at 1KHz</p> | <p>Dissipation factor vs. temperature</p>  <p>DF(%) at 1KHz</p> |
| <p>Operating voltage vs. temperature</p>  <p>Vn(%)</p> | <p>IR vs. temperature</p>  <p>I.R.(MΩm)</p> |

| Ordering information | | | |
|----------------------|-----------------|---------------------------------------|----------------|
| Part Number | Package | Shipping Quantity | Box dimensions |
| AFC 152JK06P00UT | 18 x 11 x 5.0mm | 700 pcs / small box 2800 pcs / box | - |

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