

**KEMET Part Number: A50DT51002660K**  
(50DT51002660K)

**KEMET**

a YAGEO company

A50, Film, Metallized Polyester, Automotive Grade, 10 uF, 10%, 40 VAC, 63 VDC, 85°C



| General Information |  |
|---------------------|--|
| Series:             | A50  |
| Dielectric:         | Metallized Polyester   |
| Style:              | Axial  |
| Features:           | Automotive Grade   |
| RoHS:               | Yes  |
| Lead:               | Wire Leads   |
| Qualifications:     | AEC-Q200   |
| AEC-Q200:           | Yes  |
| Miscellaneous:      | Above 85C DC And AC Voltage Derating Is 1.25%/C. maxK0 = 130 |

| Dimensions |                 |
|------------|-----------------|
| D          | 11.5mm MAX      |
| L          | 33mm MAX        |
| LL         | 20mm MIN        |
| F          | 0.8mm +/-0.05mm |

| Packaging Specifications |     |
|--------------------------|-----|
| Packaging:               | T&R |
| Packaging Quantity:      | 400 |

| Specifications         |                          |
|------------------------|--------------------------|
| Capacitance:           | 10 uF                    |
| Capacitance Tolerance: | 10%                      |
| Voltage AC:            | 40 VAC                   |
| Voltage DC:            | 63 VDC, 47.25 VDC (105C) |
| Temperature Range:     | -55/+105°C               |
| Rated Temperature:     | 85°C                     |
| Dissipation Factor:    | 0.80% 1kHz, 1.20% 10kHz  |
| Insulation Resistance: | 100 MOhms                |
| Max dV/dt:             | 1 V/us                   |
| Inductance:            | 7 nH                     |

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