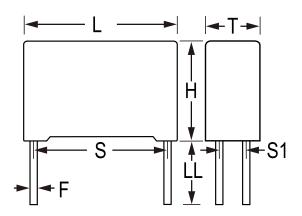
## **KEMET Part Number: C4AKOBW5400A3NK**



## C4AK, Film, Metallized Polypropylene, Automotive DC Link, 40 uF, 10%, 900 VDC, Lead Spacing = 52.5mm



| General Information |   |
|---------------------|---|
| Series:             | C4AK                                    |
| Dielectric:         | Metallized Polypropylene                |
| Style:              | Radial                                  |
| Features:           | DC Filtering                            |
| RoHS:               | Yes                                     |
| Lead:               | 4 Wire Leads                            |
| Qualifications:     | AEC-Q200, IEC61071,<br>EN61071, VDE0560 |
| AEC-Q200:           | Yes                                     |
| Miscellaneous:      | Rth = 10 C/W.                           |
| <u> </u>            |   |

| Dimensions |                 |
|------------|-----------------|
| L          | 57.5mm +/-1.2mm |
| Н          | 50mm +/-1.2mm   |
| Т          | 35mm +/-1.2mm   |
| S          | 52.5mm +/-0.4mm |
| S1         | 20.3mm +/-0.4mm |
| LL         | 6mm -2mm        |
| F          | 1.2mm +/-0.05mm |

| Specifications         |                             |
|------------------------|-----------------------------|
| Capacitance:           | 40 uF                       |
| Capacitance Tolerance: | 10%                         |
| Voltage DC:            | 900 VDC                     |
| Temperature Range:     | -55/+135°C                  |
| Insulation Resistance: | 750 MOhms                   |
| Max dV/dt:             | 10 V/us                     |
| Resistance:            | 4.4 mOhms (10kHz 70C)       |
| Ripple Current:        | 22.5 Amps Irms (10kHz 95C), |
|                        | 400 Amps Ipkr               |
| Inductance:            | 15 nH                       |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Box |
| Packaging Quantity:      | 23        |

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