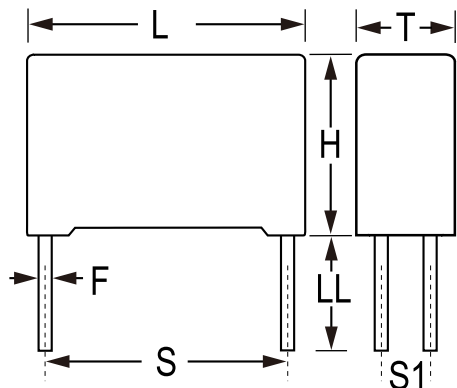


C4AQ, Film, Metallized Polypropylene, Automotive DC Link, 45 uF, 5%, 1300 VDC, 70°C, Lead Spacing = 52.5mm



| General Information |                                      |
|---------------------|--------------------------------------|
| Series:             | C4AQ                                 |
| Dielectric:         | Metallized Polypropylene             |
| Style:              | Radial                               |
| RoHS:               | Yes                                  |
| Lead:               | 4 Wire Leads                         |
| Qualifications:     | AEC-Q200, IEC61071, EN61071, VDE0560 |
| AEC-Q200:           | Yes                                  |
| Miscellaneous:      | Rth = 7 C/W.                         |
| Notes:              | Items available for sample.          |

| Dimensions |                    |
|------------|--------------------|
| L          | 57.5mm +0.8/-0.7mm |
| H          | 65mm +0.3/-0.7mm   |
| T          | 45mm +0.5/-0.7mm   |
| S          | 52.5mm +/-0.4mm    |
| S1         | 20.3mm +/-0.4mm    |
| LL         | 6mm +0/-2mm        |
| F          | 1.2mm +/-0.05mm    |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 45 uF  |
| Capacitance Tolerance: | 5%   |
| Voltage DC:            | 1300 VDC                                     |
| Temperature Range:     | -55/+105°C                                   |
| Rated Temperature:     | 70°C   |
| Dissipation Factor:    | 0.02% (10 kHz 25C)                           |
| Insulation Resistance: | 0.67 MOhms                                   |
| Max dV/dt:             | 13 V/us                                      |
| Resistance:            | 3.1 mOhms (10kHz 70C)                        |
| Ripple Current:        | 24.5 Amps Irms (10kHz 70C),<br>596 Amps Ipkr |
| Inductance:            | 19 nH  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Box |
| Packaging Quantity:      | 18        |