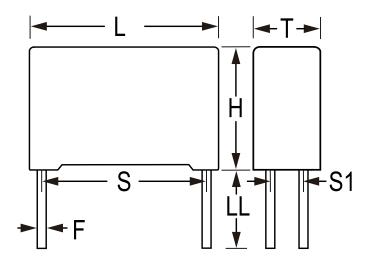




C4AQ, Film, Metallized Polypropylene, Automotive DC Link, 45 uF, 10%, 500 VDC, 70°C, 37.5 mm



| General Information      |   |
|--------------------------|---|
| Series                   | C4AQ                                    |
| Dielectric               | Metallized Polypropylene                |
| Style                    | Radial                                  |
| RoHS                     | Yes                                     |
| Lead                     | 4 Wire Leads                            |
| Qualifications           | AEC-Q200, IEC61071, EN61071,<br>VDE0560 |
| AEC-Q200                 | Yes                                     |
| Typical Component Weight | 66 g                                    |
| Miscellaneous            | Rth = 19 C/W.                           |

Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| L          | 42mm +0.6/-0.7mm |
| Н          | 25mm +0.2/-0.7mm |
| Т          | 43mm +0.4/-0.7mm |
| S          | 37.5mm +/-0.4mm  |
| S1         | 20.3mm +/-0.4mm  |
| LL         | 6mm +0/-2mm      |
| F          | 1.2mm +/-0.05mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging                | Bulk, Box |
| Packaging Quantity       | 48        |

| Specifications        |  |
|-----------------------|--|
| Capacitance           | 45 uF  |
| Tolerance             | 10%  |
| Voltage DC            | 500 VDC                                      |
| Temperature Range     | -55/+105°C                                   |
| Rated Temperature     | 70°C   |
| Insulation Resistance | 670 MOhms                                    |
| Max dV/dt             | 7 V/us                                       |
| ESR                   | 3 mOhms (10kHz 70C)                          |
| Ripple Current        | 21.4 Amps Irms (10kHz 70C),<br>294 Amps Ipkr |
| Inductance            | 9 nH   |

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