

C4AQ-P, Film, Metallized Polypropylene, Automotive DC Link, 45 uF, 10%, 450 VDC, Lead Spacing = 37.5mm



| General Information |                                      |
|---------------------|--------------------------------------|
| Series:             | C4AQ-P                               |
| Dielectric:         | Metallized Polypropylene             |
| Style:              | Radial                               |
| Features:           | DC Filtering                         |
| RoHS:               | Yes                                  |
| Lead:               | 4 Wire Leads                         |
| Qualifications:     | AEC-Q200, IEC61071, EN61071, VDE0560 |
| AEC-Q200:           | Yes                                  |
| Miscellaneous:      | Rth = 19 C/W.                        |

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

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 45 uF  |
| Capacitance Tolerance: | 10%  |
| Voltage DC:            | 450 VDC                                      |
| Temperature Range:     | -55/+125°C                                   |
| Insulation Resistance: | 670 MOhms                                    |
| Max dV/dt:             | 30 V/us                                      |
| Resistance:            | 3.3 mOhms (10kHz 70C)                        |
| Ripple Current:        | 21.4 Amps Irms (10kHz 75C),<br>1350 Amps Ipk |
| Inductance:            | 9.3 nH                                       |

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

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