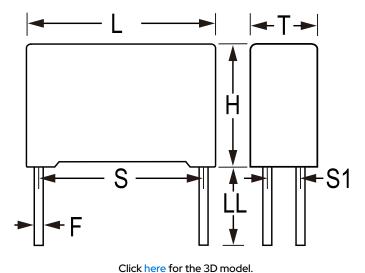




C4AQ-P, Film, Metallized Polypropylene, Automotive DC Link, 12 uF, 5%, 900 VDC, 37.5 mm



**General Information** C4AQ-P Series Dielectric Metallized Polypropylene Style Radial Features DC Filtering RoHS Yes Lead 4 Wire Leads Qualifications AEC-Q200, IEC61071, EN61071, VDE0560 AEC-Q200 Yes **Typical Component Weight** 49 g Rth = 20 C/W. Miscellaneous

| Dimensions |                  |
|------------|------------------|
| L          | 42mm +0.6/-0.7mm |
| н          | 40mm +0.2/-0.7mm |
| т          | 20mm +0.4/-0.7mm |
| S          | 37.5mm +/-0.4mm  |
| S1         | 10.2mm +/-0.4mm  |
| LL         | 6mm -2mm         |
| F          | 1.2mm +/-0.05mm  |

## Packaging Specifications

| Packaging          | Bulk, Box |
|--------------------|-----------|
| Packaging Quantity | 58        |

| Specifications        |  |
|-----------------------|--|
| Capacitance           | 12 uF  |
| Tolerance             | 5%   |
| Voltage DC            | 900 VDC                                      |
| Temperature Range     | -55/+125°C                                   |
| Insulation Resistance | 2.5 GOhms                                    |
| Max dV/dt             | 35 V/us                                      |
| ESR                   | 6.93 mOhms (10kHz 70C)                       |
| Ripple Current        | 14.4 Amps Irms (10kHz 75C),<br>420 Amps Ipkr |
| Inductance            | 12 nH  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.