

C4AQ, Film, Metallized Polypropylene, Automotive DC Link, 30 uF, 5%, 650 VDC, 70C, Lead Spacing = 37.5mm



| General Information |                                      |
|---------------------|--------------------------------------|
| Supplier:           | KEMET                                |
| Series:             | C4AQ                                 |
| Dielectric:         | Metallized Polypropylene             |
| Style:              | Radial                               |
| RoHS:               | Yes                                  |
| Lead:               | 4 Wire Leads                         |
| Qualifications:     | AEC-Q200, IEC61071, EN61071, VDE0560 |
| AEC-Q200:           | Yes                                  |
| Miscellaneous:      | Rth = 18 C/W                         |

| Dimensions |                 |
|------------|-----------------|
| L          | 42mm +/-0.6mm   |
| H          | 37mm +/-0.2mm   |
| T          | 28mm +/-0.4mm   |
| S          | 37.5mm +/-0.4mm |
| S1         | 10.2mm +/-0.4mm |
| LL         | 6mm +/-0.2mm    |
| F          | 1.2mm +/-0.05mm |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 30 uF                                  |
| Capacitance Tolerance: | 5%                                     |
| Voltage DC:            | 650 VDC                                |
| Temperature Range:     | -40/+105C                              |
| Rated Temperature:     | 70C                                    |
| Dissipation Factor:    | 0.02% (10 kHz 25C)                     |
| Insulation Resistance: | 1 Ohms                                 |
| Max dV/dt:             | 9 V/us                                 |
| Resistance:            | 3.6 mOhms (10kHz 70C)                  |
| Ripple Current:        | 14 Amps Irms (10kHz 70C), 255 Amps Ipk |
| Inductance:            | 30 nH                                  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Box |
| Packaging Quantity:      | 36        |