

C4AQ, Film, Metallized Polypropylene, Automotive DC Link, 3 uF, 5%, 1500 VDC, 70°C, Lead Spacing = 27.5mm



| General Information |                                      |
|---------------------|--------------------------------------|
| Series:             | C4AQ                                 |
| Dielectric:         | Metallized Polypropylene             |
| Style:              | Radial                               |
| RoHS:               | Yes                                  |
| Lead:               | Wire Leads                           |
| Qualifications:     | AEC-Q200, IEC61071, EN61071, VDE0560 |
| AEC-Q200:           | Yes                                  |
| Miscellaneous:      | Rth = 29 C/W.                        |

| Dimensions |                    |
|------------|--------------------|
| L          | 31.5mm +0.5/-0.7mm |
| H          | 29mm +0.2/-0.7mm   |
| T          | 19mm +0.3/-0.7mm   |
| S          | 27.5mm +/-0.4mm    |
| LL         | 6mm +0/-2mm        |
| F          | 0.8mm +/-0.05mm    |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 3 uF                                   |
| Capacitance Tolerance: | 5%                                     |
| Voltage DC:            | 1500 VDC                               |
| Temperature Range:     | -55/+105°C                             |
| Rated Temperature:     | 70°C                                   |
| Dissipation Factor:    | 0.02% (10 kHz 25C)                     |
| Insulation Resistance: | 10 MOhms                               |
| Max dV/dt:             | 32 V/us                                |
| Resistance:            | 11.1 mOhms (10kHz 70C)                 |
| Ripple Current:        | 9.1 Amps Irms (10kHz 70C), 95 Amps Ipk |
| Inductance:            | 25 nH                                  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Box |
| Packaging Quantity:      | 72        |