

C4AQ, Film, Metallized Polypropylene, Automotive DC Link, 5.6 uF, 5%, 650 VDC, 70C, Lead Spacing = 27.5mm



| General Information |                                      |
|---------------------|--------------------------------------|
| Supplier:           | KEMET                                |
| Series:             | C4AQ                                 |
| Dielectric:         | Metallized Polypropylene             |
| Style:              | Radial                               |
| RoHS:               | Yes                                  |
| Lead:               | Wire Leads                           |
| Qualifications:     | AEC-Q200, IEC61071, EN61071, VDE0560 |
| AEC-Q200:           | Yes                                  |
| Miscellaneous:      | Rth = 36 C/W                         |

| Dimensions |                 |
|------------|-----------------|
| L          | 31.5mm +/-0.5mm |
| H          | 25mm +/-0.2mm   |
| T          | 13mm +/-0.3mm   |
| S          | 27.5mm +/-0.4mm |
| LL         | 6mm +0/-2mm     |
| F          | 0.8mm +/-0.05mm |

| Specifications         |                                      |
|------------------------|--------------------------------------|
| Capacitance:           | 5.6 uF                               |
| Capacitance Tolerance: | 5%                                   |
| Voltage DC:            | 650 VDC                              |
| Temperature Range:     | -40/+105C                            |
| Rated Temperature:     | 70C                                  |
| Dissipation Factor:    | 0.02% (10 kHz 25C)                   |
| Insulation Resistance: | 5.35714 Ohms                         |
| Max dV/dt:             | 13 V/us                              |
| Resistance:            | 10.7 mOhms (10kHz 70C)               |
| Ripple Current:        | 6 Amps Irms (10kHz 70C), 71 Amps Ipk |
| Inductance:            | 25 nH                                |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Box |
| Packaging Quantity:      | 234       |