

## ESC127M016AE3AA

ESC, Aluminum Electrolytic, 120 uF, 20%, 16 VDC, -40/+105°C, Lead Spacing = 2.5mm

SIDE VIEW



TERMINAL END VIEW



Click [here](#) for the 3D model.

| Dimensions  |                |
|-------------|----------------|
| D           | 6.3mm +/-0.5mm |
| L           | 11mm +1.5mm    |
| S           | 2.5mm +/-0.5mm |
| LL Negative | 15mm MIN       |
| LL Positive | 20mm MIN       |
| F           | 0.5mm NOM      |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging                | Bulk, Bag |
| Packaging Quantity       | 10000     |

### General Information

|             |                                           |
|-------------|-------------------------------------------|
| Series      | ESC                                       |
| Dielectric  | Aluminum Electrolytic                     |
| Description | LowESR Single Ended Aluminum Electrolytic |
| Features    | Low ESR                                   |
| RoHS        | Yes                                       |
| Lead        | Wire Leads                                |
| AEC-Q200    | No                                        |

### Specifications

|                         |                         |
|-------------------------|-------------------------|
| Capacitance             | 120 uF                  |
| Capacitance Tolerance   | 20%                     |
| Voltage DC              | 16 VDC, 20 VDC (Surge)  |
| Temperature Range       | -40/+105°C              |
| Rated Temperature       | 105°C                   |
| Life                    | 2000 Hrs                |
| Dissipation Factor      | 16%                     |
| Resistance              | 0.32 Ohms (100kHz)      |
| Ripple Current          | 250 mAmps (100kHz 105C) |
| Leakage Current         | 19.2 uA (2min 20°C)     |
| Impedance Ratio at -25C | 3                       |
| Impedance Ratio at -40C | 4                       |

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