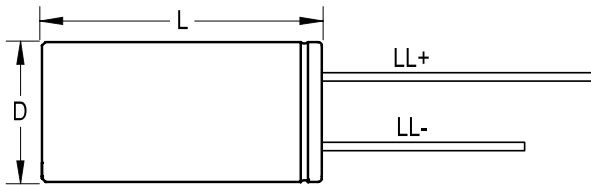


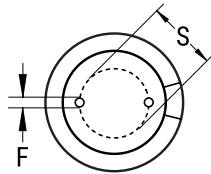
## ESK478M010AL4AA

ESK, Aluminum, Aluminum Electrolytic, 4,700 uF, 20%, 10 VDC, -40/+85°C, 5 mm

SIDE VIEW



TERMINAL END VIEW



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

### General Information

|             |                                     |
|-------------|-------------------------------------|
| Series      | ESK                                 |
| Dielectric  | Aluminum Electrolytic               |
| Description | Single Ended, Aluminum Electrolytic |
| RoHS        | Yes                                 |
| Lead        | Wire Leads                          |

### Dimensions

|             |               |
|-------------|---------------|
| D           | 13mm +/-0.5mm |
| L           | 25mm +/-2.0mm |
| S           | 5mm +/-0.5mm  |
| LL Negative | 15mm MIN      |
| LL Positive | 20mm MIN      |
| F           | 0.6mm NOM     |

### Packaging Specifications

|           |           |
|-----------|-----------|
| Packaging | Bulk, Bag |
|-----------|-----------|

### Specifications

|                         |                        |
|-------------------------|------------------------|
| Capacitance             | 4,700 uF               |
| Tolerance               | 20%                    |
| Voltage DC              | 10 VDC, 13 VDC (Surge) |
| Temperature Range       | -40/+85°C              |
| Rated Temperature       | 85°C                   |
| Life                    | 2000 Hrs               |
| Dissipation Factor      | 20% 120Hz 20C          |
| Ripple Current          | 1500 mAmps (120Hz 85C) |
| Leakage Current         | 470 uA (2min 20°C)     |
| Impedance Ratio at -25C | 6                      |
| Impedance Ratio at -40C | 8                      |

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