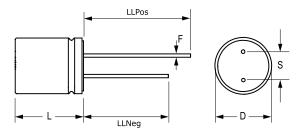
## KEMET Part Number: A759KS396M1HAAE042



## Polymer Aluminum, 125C LowZ, A759, 39 uF, 20%, 50 V, -55/+125C, Lead Spacing = 3.5mm



| Dimensions  |                |  |
|-------------|----------------|--|
| D           | 8mm +/-0.5mm   |  |
| L           | 12mm +/-1mm    |  |
| S           | 3.5mm +/-0.5mm |  |
| LL Negative | 15mm MIN       |  |
| LL Positive | 19mm MIN       |  |
| F           | 0.6mm +/-0.5mm |  |

| Packaging Specifications |           |  |
|--------------------------|-----------|--|
| Packaging:               | Bulk, Bag |  |
| Packaging Quantity:      | 500       |  |

| General Information |                                   |  |
|---------------------|-----------------------------------|--|
| Dielectric:         | Polymer Aluminum                  |  |
| Series:             | A759                              |  |
| Description:        | Single Ended, Polymer<br>Aluminum |  |
| RoHS:               | Yes                               |  |
| Lead:               | Wire Leads                        |  |

| Specifications           |  |
|--------------------------|--|
| Capacitance:             | 39 uF  |
| Capacitance Tolerance:   | 20%  |
| Voltage DC:              | 50 VDC, 57.5 VDC (Surge)   |
| Temperature Range:       | -55/+125C  |
| Rated Temperature:       | 125C   |
| Life:                    | 2000 Hrs (+/-20% Initial<br>Capacitance, 1.5x DF MAX,<br>Leakage Within Limit) |
| Dissipation Factor:      | 12% 120Hz 20C  |
| Resistance:              | 42 mOhms (100kHz 20C)  |
| Current:                 | 1630 mAmps (100kHz 105C),<br>950 mAmps (100kHz 125C)                           |
| Leakage Current:         | 292.5 uA (2min 20C)  |
| Impedance Ratio at -25C: | 1.25   |
| Impedance Ratio at -55C: | 1.25   |

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