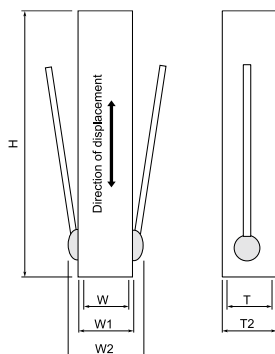


**KEMET Part Number: AE0707D44H40DF**  
(UPAE007074440D)

KEMET, AE, Piezo Actuators, Multilayer



**Dimensions**

|           |               |
|-----------|---------------|
| <b>L</b>  | 100mm NOM     |
| <b>W</b>  | 7mm +/-0.1mm  |
| <b>W2</b> | 7.4mm MAX     |
| <b>H</b>  | 40mm +/-0.1mm |
| <b>T</b>  | 7mm +/-0.1mm  |
| <b>T2</b> | 7.4mm MAX     |

**Packaging Specifications**

|                            |      |
|----------------------------|------|
| <b>Weight:</b>             | 17   |
| <b>Packaging:</b>          | Bulk |
| <b>Packaging Quantity:</b> | 4    |

**General Information**

|                         |  |
|-------------------------|--|
| <b>Style:</b>           | Resin Coated   |
| <b>Description:</b>     | Resin Coated Type Multilayer Piezoelectric Actuators |
| <b>RoHS:</b>            | With Exemptions                                      |
| <b>REACH:</b>           | SVHC (Pb – CAS 7439-92-1)                            |
| <b>Young's Modulus:</b> | 4.4x10 <sup>10</sup> N/m <sup>2</sup>                |

**Specifications**

|                               |               |
|-------------------------------|---------------|
| <b>Series:</b>                | AE            |
| <b>Displacement:</b>          | 42um +/-6.6um |
| <b>Voltage DC:</b>            | 150 VDC       |
| <b>Capacitance:</b>           | 6.7 uF        |
| <b>Capacitance Tolerance:</b> | 20%           |
| <b>Resonant Frequency:</b>    | 34 kHz        |
| <b>Tensile Strength:</b>      | 170 N         |
| <b>Generated Force:</b>       | 1700 N        |
| <b>Stiffness:</b>             | 40.5 N/um     |
| <b>Insulation Resistance:</b> | 5 MOhms       |
| <b>Temperature Range:</b>     | -25/+85°C     |