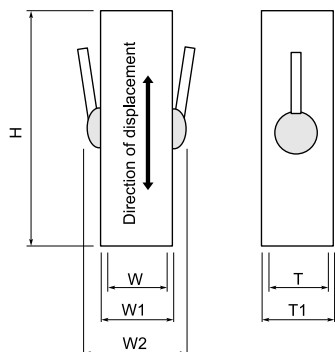


**KEMET Part Number: AE1010D44H40DF**  
(UPAE010104440D)

KEMET, AE, Piezo Actuators, Multilayer



| Dimensions |               |
|------------|---------------|
| L          | 100mm NOM     |
| W          | 10mm +/-0.1mm |
| W2         | 10.4mm MAX    |
| H          | 40mm +/-0.1mm |
| T          | 10mm +/-0.1mm |
| T2         | 10.4mm MAX    |

| Packaging Specifications |      |
|--------------------------|------|
| Weight:                  | 36   |
| Packaging:               | Bulk |
| Packaging Quantity:      | 4    |

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

| Specifications         |               |
|------------------------|---------------|
| Series:                | AE            |
| Displacement:          | 42um +/-6.6um |
| Voltage DC:            | 150 VDC       |
| Capacitance:           | 13.6 uF       |
| Capacitance Tolerance: | 20%           |
| Resonant Frequency:    | 34 kHz        |
| Tensile Strength:      | 350 N         |
| Generated Force:       | 3500 N        |
| Stiffness:             | 83.3 N/um     |
| Insulation Resistance: | 2 MOhms       |
| Temperature Range:     | -25/+85°C     |

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