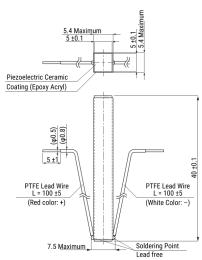


## AE0505D44H40DF

Aliases (UPAE005054440D)

KEMET, AE, Piezo Actuators, Multilayer



Click here for the 3D model.

| Dimensions |               | , |
|------------|---------------|---|
| W          | 5mm +/-0.1mm  |   |
| W2         | 5.4mm MAX     |   |
| Н          | 40mm +/-0.1mm |   |
| Т          | 5mm +/-0.1mm  |   |
| T2         | 5.4mm MAX     |   |
| LL         | 100mm +/-5mm  |   |

| Packaging Specifications |      |  |
|--------------------------|------|--|
| Typical Component Weight | 11   |  |
| Packaging                | Bulk |  |
| Packaging Quantity       | 10   |  |

| General Informatio | n   |
|--------------------|---|
| Style              | Resin Coated  |
| Description        | Resin Coated Type Multilayer Piezoelectric<br>Actuators |
| Young's<br>Modulus | 4.4x10^10 N/m^2   |
| RoHS               | With Exemptions   |
| SCIP Number        | 294b4799-b00c-43e2-a15f-798c927a3ac8                    |
| REACH              | SVHC (PZT - CAS 12626-81-2)                             |

| Specifications        |               |
|-----------------------|---------------|
| Series                | AE            |
| Displacement          | 42um +/-6.6um |
| Voltage DC            | 150 VDC       |
| Capacitance           | 3.4 uF        |
| Capacitance Tolerance | 20%           |
| Resonant Frequency    | 34 kHz        |
| Tensile Strength      | 85 N          |
| Generated Force       | 850 N         |
| Stiffness             | 20.2 N/um     |
| Insulation Resistance | 5 MOhms       |
| Temperature Range     | -25/+85°C     |

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