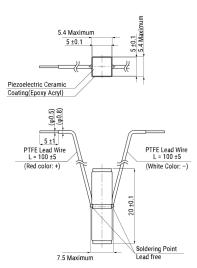


## AE0505D16DF

Aliases (UPAE005051600D)

KEMET, AE, Piezo Actuators, Multilayer



Click here for the 3D model.

| Dimensions |               |  |
|------------|---------------|--|
| W          | 5mm +/-0.1mm  |  |
| W2         | 5.4mm MAX     |  |
| Н          | 20mm +/-0.1mm |  |
| Т          | 5mm +/-0.1mm  |  |
| T2         | 5.4mm MAX     |  |
| LL         | 100mm +/-5mm  |  |

| Packaging Specifications |      |  |  |
|--------------------------|------|--|--|
| Typical Component Weight | 5.2  |  |  |
| Packaging                | Bulk |  |  |
| Packaging Quantity       | 10   |  |  |

| General Information |   |
|---------------------|---|
| 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          | 17.4um +/-2um |
| Voltage DC            | 150 VDC       |
| Capacitance           | 1.4 uF        |
| Capacitance Tolerance | 20%           |
| Resonant Frequency    | 69 kHz        |
| Tensile Strength      | 85 N          |
| Generated Force       | 850 N         |
| Stiffness             | 48.9 N/um     |
| Insulation Resistance | 10 MOhms      |
| Temperature Range     | -25/+85°C     |

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