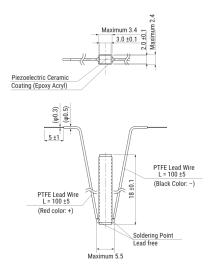


## AE0203D18H18DF

Aliases (UPAE002031818D)

KEMET, AE, Piezo Actuators, Multilayer



Click here for the 3D model.

| Dimensions | ,             |
|------------|---------------|
| W          | 3mm +/-0.1mm  |
| W2         | 3.4mm MAX     |
| Н          | 18mm +/-0.1mm |
| Т          | 2mm +/-0.1mm  |
| T2         | 2.4mm MAX     |
| LL         | 100mm +/-5mm  |

| Packaging Specifications |      |  |
|--------------------------|------|--|
| Component Weight         | 1.4  |  |
| 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          | 19um +/-2um |
| Voltage DC            | 150 VDC     |
| Capacitance           | 0.4 uF      |
| Capacitance Tolerance | 20%         |
| Resonant Frequency    | 76 kHz      |
| Tensile Strength      | 20 N        |
| Generated Force       | 200 N       |
| Stiffness             | 10.5 N/um   |
| Insulation Resistance | 50 MOhms    |
| Temperature Range     | -25/+85°C   |

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