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#### General Information

|             |  |
|-------------|--|
| Style       | Resin Coated   |
| Description | Resin Coated Type Multilayer Piezoelectric Actuators |
| RoHS        | With Exemptions                                      |
| SCIP Number | 294b4799-b00c-43e2-a15f-798c927a3ac8                 |
| REACH       | SVHC (PZT - CAS 12626-81-2)                          |

#### Dimensions

|    |               |
|----|---------------|
| W  | 10mm +/-0.1mm |
| W2 | 10.4mm MAX    |
| H  | 20mm +/-0.1mm |
| T  | 10mm +/-0.1mm |
| T2 | 10.4mm MAX    |
| LL | 100mm +/-5mm  |

#### Packaging Specifications

|                          |      |
|--------------------------|------|
| Typical Component Weight | 20   |
| Packaging                | Bulk |
| Packaging Quantity       | 4    |

#### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Series                | AE                                    |
| Displacement          | 18.4um +/-3.5um                       |
| Voltage DC            | 150 VDC                               |
| Capacitance           | 5.4 uF                                |
| Tolerance             | 20%                                   |
| Resonant Frequency    | 69 kHz                                |
| Tensile Strength      | 350 N                                 |
| Young's Modulus       | 4.4x10 <sup>10</sup> N/m <sup>2</sup> |
| Generated Force       | 3500 N                                |
| Stiffness             | 190.2 N/um                            |
| Insulation Resistance | 5 MOhms                               |
| Temperature Range     | -25/+85°C                             |

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