

## M3253502E2Z102KZMB

Aliases (CO402K102K3RML)

SMD MIL X7R PRF32535, Ceramic, 1000 pF, 10%, 25 VDC, X7R, SMD, Military, Low ESR, MIL-PRF-32535, N/A, 0402



Click here for the 3D model.

| Dimensions |  |
|------------|--|
| Chip Size  | 0402   |
| L          | 1.02mm +0.15/-0.1mm (0.04 in +0.006/-0.004 in) |
| W          | 0.51mm +0.13/-0.1mm (0.02 in +0.005/-0.004 in) |
| Т          | 0.64mm MAX (0.025 in MAX)                      |
| В          | 0.1mm MIN (0.004 in MIN)                       |

| Packaging Specifications |        |  |
|--------------------------|--------|--|
| Packaging                | Waffle |  |
| Packaging Quantity       | 368    |  |

| General Information | n  |
|---------------------|--|
| Series              | SMD MIL X7R PRF32535   |
| Style               | SMD Chip   |
| Description         | SMD, Military, Low ESR, MIL-PRF-32535                                    |
| RoHS                | No   |
| Prop 65             | ▲ WARNING: Cancer and reproductive harm – http://www.p65warnings.ca.gov. |
| Termination         | Solder Plated  |
| Failure Rate        | N/A  |
| Qualifications      | MIL-PRF-32535  |
| AEC-Q200            | No   |
| Component<br>Weight | 1600 ug  |

| Specifications                  |                     |
|---------------------------------|---------------------|
| Capacitance                     | 1000 pF             |
| Capacitance Tolerance           | 10%                 |
| Voltage DC                      | 25 VDC              |
| Dielectric Withstanding Voltage | 62.5 VDC            |
| Temperature Range               | -55/+125°C          |
| Temperature Coefficient         | X7R                 |
| Dissipation Factor              | 3.5% 1 MHz 25C      |
| Aging Rate                      | 3% Loss/Decade Hour |
| Insulation Resistance           | 100 GOhms           |

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