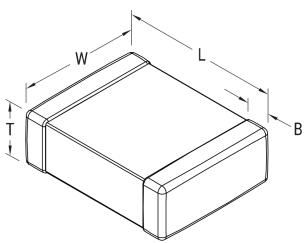


## M3253502E1Z102JZMB-T&R

Aliases (C0402K102J3EML7189)

SMD MIL COG PRF32535, Ceramic, 1000 pF, 5%, 25 VDC, COG, SMD, 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 |
| W          | 0.51mm +0.13/-0.1mm |
| Т          | 0.64mm MAX          |
| В          | 0.1mm MIN           |

| Packaging Specifications |       |  |
|--------------------------|-------|--|
| Packaging                | T&R   |  |
| Packaging Quantity       | 10000 |  |

| General Informat | ion  |
|------------------|--|
| Series           | SMD MIL COG PRF32535   |
| Style            | SMD Chip   |
| Description      | SMD, Low ESR, MIL-PRF-32535  |
| RoHS             | No   |
| Prop 65          | ▲ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov. |
| SCIP Number      | d66873f5-e54d-410c-a0cf-ebf6fcf635b5                                     |
| Termination      | Solder Plated  |
| Failure Rate     | N/A  |
| Qualifications   | MIL-PRF-32535 M-Level  |
| AEC-Q200         | No   |
| Shelf Life       | 78 Weeks   |
| MSL              | 1  |

| Specifications   |                           |
|--|---------------------------|
| Capacitance  | 1000 pF                   |
| Capacitance Tolerance  | 5%                        |
| Voltage DC   | 25 VDC                    |
| Dielectric Withstanding Voltage                                    | 62.5 VDC                  |
| Temperature Range  | -55/+125°C                |
| Temperature Coefficient  | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz<br>1.0Vrms |
| Dissipation Factor   | 0.15% 1 MHz<br>1.0Vrms    |
| Aging Rate   | 0% Loss/Decade<br>Hour    |
| Insulation Resistance  | 100 GOhms                 |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.