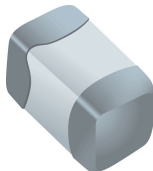


MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|---|-----|---|---|
| Material Number | SF-0402S-M | | |  |
| Product Line | Lead Free Multilayer Solid Matrix Chip Fuse | | | |
| Compliance Date | 08/30/2017 | | | |
| RoHS Compliant | YES | MSL | 1 | |

| No. | Construction Element(subpart) | Homogeneous Material | Material weight [mg] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|--------------|-------------------------------|----------------------|----------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1 | Ceramic Body | Glass Ceramic | 0.5275 | Boron | 7440-42-8 | 7.39% | 5.16% | 69.7844% |
| | | | | Carbon | 7440-44-0 | 2.11% | 1.47% | |
| | | | | Aluminum | 7429-90-5 | 18.65% | 13.01% | |
| | | | | Silicon | 7440-21-3 | 15.24% | 10.63% | |
| | | | | Potassium | 7440-09-7 | 0.53% | 0.37% | |
| | | | | Oxygen | 7782-44-7 | 56.08% | 39.13% | |
| 2 | Termination | Silver with Glass | 0.1441 | Silver | 7440-22-4 | 92.25% | 17.58% | 19.0634% |
| | | | | Oxygen | 7782-44-7 | 2.23% | 0.43% | |
| | | | | Zinc | 7440-66-6 | 1.64% | 0.31% | |
| | | | | Silicon | 7440-21-3 | 0.10% | 0.02% | |
| | | | | Bismuth | 7440-69-9 | 3.78% | 0.72% | |
| 3 | Fuse Link | Silver | 0.0054 | Silver | 7440-22-4 | 100% | 0.7144% | 0.7144% |
| 4 | Plating | Nickel | 0.0789 | Nickel | 7440-02-0 | 100.00% | 4.68% | 10.4378% |
| | | Tin | | Tin | 7440-31-5 | 100.00% | 5.75% | |
| Total weight | | | 0.7559 | | | | | |

This Document was updated on: 8-30-17

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.