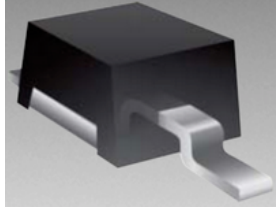


MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|------------------------|-----|---|---|
| Material Number | CD216A-B SERIES | | |  |
| Product Line | Semiconductor Products | | | |
| Compliance Date | 2004/8/2 | | | |
| RoHS Compliant | Yea | 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 | Dice | Silica compound | 2.2 | Silicon | 7440-21-3 | 98% | 13.31% | 13.58% |
| | | | | Nickel | 7440-02-0 | 2% | 0.27% | |
| 2 | Solder Paste | High-melting point solder | 0.81 | Lead* | 7439-92-1 | 92.5% | 4.63% | 5.00% |
| | | | | Tin | 7440-31-5 | 5.0% | 0.25% | |
| | | | | Silver | 7440-22-4 | 2.5% | 0.12% | |
| | | | | Copper | 7440-50-8 | 99.950% | 32.48% | |
| 3 | Lead frame & clip | Copper Alloy | 5.27 | Iron | 7439-89-6 | 0.1% | 0.04% | 32.53% |
| | | | | Phosphorus | 7723-14-0 | 0.034% | 0.01% | |
| | | | | Silica, amorphous, fused | 60676-86-0 | 83% | 39.86% | |
| 4 | Epoxy material | Green molding compound | 7.78 | Epoxy resin | 29690-82-2 | 13.5% | 6.48% | 48.02% |
| | | | | BTDA | 2421-28-5 | 0.55% | 0.26% | |
| | | | | Silica, quartz | 14808-60-7 | 2.4% | 1.16% | |
| | | | | Carbon black | 1333-86-4 | 0.55% | 0.26% | |
| | | | | Tin | 7440-31-5 | 100% | 0.87% | |
| 5 | Plating cover | Sn plating cover | 0.14 | Tin | 7440-31-5 | 100% | 0.87% | 0.87% |
| Total weight | | | 16.2 | | | | | |

MATERIAL DECLARATION SHEET



This Document was updated on: 2015-4-27

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. * 7(a)-Lead in high melting temperature type solders (i.e. lead- based alloys containing 85% by weight or more lead)