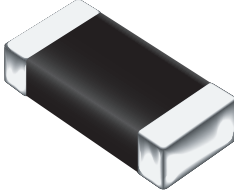


MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|-------------------|-----|---|---|
| Material Number | CGA1206MLA Series | | |  |
| Product Line | Varistor | | | |
| Compliance Date | 2014/1/1 | | | |
| 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 | Main body | 15.6545 | Zinc oxide | 1314-13-2 | 100 | 81.80 | 81.80 |
| 2 | | Sintering Flux in Metal Oxide Layer | 0.3407 | Lead oxide* | 1317-36-8 | 50 | 0.89 | 1.78 |
| | | | | Silicon dioxide | 7631-86-9 | 20 | 0.36 | |
| | | | | Boron oxide* | 1303-86-2 | 30 | 0.53 | |
| 3 | | Internal Electrode | 1.4382 | Silver | 7440-22-4 | 70 | 5.26 | 7.51 |
| | | | | Palladium | 7440-05-3 | 30 | 2.25 | |
| 4 | | Overcoat | 0.0516 | Polymer | Trade secret | 100 | 0.27 | 0.27 |
| 5 | | Others additives in Metal Oxide Layer | 0.8588 | Bismuth trioxide | 1304-76-3 | 46.55 | 2.09 | 4.49 |
| | | | | Manganese oxide | 1317-34-6 | 6.68 | 0.30 | |
| | | | | Nickel oxide | 1313-99-1 | 20.05 | 0.90 | |
| | Cobalt oxide | | | 1308-06-1 | 8.91 | 0.40 | | |
| | Antimony oxide | | | 1309-64-4 | 6.68 | 0.30 | | |
| 6 | Terminations | 0.622 | Silver | 7440-22-4 | 100 | 3.25 | 3.25 | |
| | | | Nickel | 7440-02-0 | 100 | 0.36 | 0.36 | |
| 7 | External electrode | 0.0686 | Nickel | 7440-02-0 | 100 | 0.36 | 0.36 | |
| | | 0.1031 | Tin | 7440-31-5 | 100 | 0.54 | 0.54 | |
| | | Total weight | 19.1375 | | | | | |

This Document was updated on: 2014/6/17

MATERIAL DECLARATION SHEET

BOURNS®

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. * metal oxide layer falls under glass exemption for REACH – oxides have been combined to form a glass matrix and are not present in article as individual compounds.