

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | TLE6251-3G | **Issued** | 25. November 2019 |
| **MA#** | MA005404652 | | |
| **Package** | PG-DSO-14-62 | **Weight*** | 144.00 mg |

| Construction Element | Material Group | Substances | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
|---|---|---|---|---|---|---|---|---|
| chip | inorganic material | silicon | 7440-21-3 | 5.050 | 3.51 | 3.51 | 35069 | 35069 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.016 | 0.01 | | 108 | |
| | non noble metal | zinc | 7440-66-6 | 0.062 | 0.04 | | 432 | |
| | non noble metal | iron | 7439-89-6 | 1.243 | 0.86 | | 8634 | |
| | non noble metal | copper | 7440-50-8 | 50.479 | 35.06 | 35.97 | 350557 | 359731 |
| wires | noble metal | palladium | 7440-05-3 | 0.002 | 0.00 | | 11 | |
| | non noble metal | copper | 7440-50-8 | 0.151 | 0.10 | 0.10 | 1049 | 1060 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.245 | 0.17 | | 1698 | |
| | plastics | epoxy resin | - | 9.537 | 6.62 | | 66229 | |
| | inorganic material | silicondioxide | 60676-86-0 | 71.730 | 49.82 | 56.61 | 498137 | 566064 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.020 | 0.01 | | 142 | |
| | noble metal | gold | 7440-57-5 | 0.033 | 0.02 | | 228 | |
| | non noble metal | nickel | 7440-02-0 | 0.719 | 0.50 | 0.53 | 4995 | 5365 |
| plating | noble metal | palladium | 7440-05-3 | 0.068 | 0.05 | | 472 | |
| | noble metal | gold | 7440-57-5 | 0.109 | 0.08 | | 759 | |
| | non noble metal | nickel | 7440-02-0 | 2.392 | 1.66 | 1.79 | 16611 | 17842 |
| glue | plastics | epoxy resin | - | 0.535 | 0.37 | | 3717 | |
| | noble metal | silver | 7440-22-4 | 1.606 | 1.12 | 1.49 | 11152 | 14869 |
| *deviation | < 10% | | | | Sum in total: | 100.00 | | 1000000 |

**Important Remarks:**

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption



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