

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | 1EDC60I12AH | **Issued** | 28. October 2019 |
| **MA#** | MA005404504 | | |
| **Package** | PG-DSO-8-59 | **Weight*** | 287.06 mg |

| Construction Element | Material Group | Substances | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
|---|---|---|---|---|---|---|---|---|
| chip_1 | inorganic material | silicon | 7440-21-3 | 0.801 | 0.28 | 0.28 | 2792 | 2792 |
| chip_2 | inorganic material | silicon | 7440-21-3 | 0.801 | 0.28 | 0.28 | 2792 | 2792 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.025 | 0.01 | | 88 | |
| | non noble metal | zinc | 7440-66-6 | 0.101 | 0.04 | | 352 | |
| | non noble metal | iron | 7439-89-6 | 2.018 | 0.70 | | 7031 | |
| | non noble metal | copper | 7440-50-8 | 81.947 | 28.55 | 29.30 | 285468 | 292939 |
| wire | noble metal | gold | 7440-57-5 | 0.315 | 0.11 | 0.11 | 1098 | 1098 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.598 | 0.21 | | 2083 | |
| | plastics | epoxy resin | - | 23.316 | 8.12 | | 81223 | |
| | inorganic material | silicondioxide | 60676-86-0 | 175.367 | 61.08 | 69.41 | 610902 | 694208 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.000 | 0.00 | | 1 | |
| | noble metal | silver | 7440-22-4 | 0.000 | 0.00 | | 1 | |
| | noble metal | gold | 7440-57-5 | 0.000 | 0.00 | | 2 | |
| | non noble metal | nickel | 7440-02-0 | 0.496 | 0.17 | 0.17 | 1729 | 1733 |
| plating | noble metal | silver | 7440-22-4 | 0.000 | 0.00 | | 1 | |
| | noble metal | gold | 7440-57-5 | 0.000 | 0.00 | | 1 | |
| | noble metal | palladium | 7440-05-3 | 0.000 | 0.00 | | 1 | |
| | non noble metal | nickel | 7440-02-0 | 0.052 | 0.02 | 0.02 | 183 | 186 |
| glue | plastics | epoxy resin | - | 0.305 | 0.11 | | 1063 | |
| | noble metal | silver | 7440-22-4 | 0.915 | 0.32 | 0.43 | 3189 | 4252 |
| *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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