

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | TLE75602-ESD | **Issued** | 27. April 2022 |
| **MA#** | MA005739308 | | |
| **Package** | PG-TSDSO-24-51 | **Weight*** | 112.01 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 | 2.618 | 2.34 | 2.34 | 23369 | 23369 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.014 | 0.01 | | 128 | |
| | non noble metal | zinc | 7440-66-6 | 0.057 | 0.05 | | 513 | |
| | non noble metal | iron | 7439-89-6 | 1.150 | 1.03 | | 10266 | |
| | non noble metal | copper | 7440-50-8 | 46.694 | 41.69 | 42.78 | 416858 | 427765 |
| wire | non noble metal | copper | 7440-50-8 | 0.934 | 0.83 | 0.83 | 8339 | 8339 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.155 | 0.14 | | 1386 | |
| | plastics | epoxy resin | - | 6.053 | 5.40 | | 54036 | |
| | inorganic material | silicondioxide | 60676-86-0 | 45.525 | 40.64 | 46.18 | 406424 | 461846 |
| leadfinish | non noble metal | tin | 7440-31-5 | 2.672 | 2.39 | 2.39 | 23853 | 23853 |
| plating | noble metal | silver | 7440-22-4 | 1.381 | 1.23 | 1.23 | 12326 | 12326 |
| glue | plastics | epoxy resin | - | 0.152 | 0.14 | | 1357 | |
| | noble metal | silver | 7440-22-4 | 0.716 | 0.64 | 0.78 | 6395 | 7752 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.001 | | | 10 | |
| | non noble metal | zinc | 7440-66-6 | 0.005 | | | 42 | |
| | non noble metal | iron | 7439-89-6 | 0.093 | 0.08 | | 834 | |
| | non noble metal | copper | 7440-50-8 | 3.793 | 3.39 | 3.47 | 33864 | 34750 |
| *deviation | < 10% | | | | Sum in total: | 100.00 | | 1000000 |

**Important Remarks:**

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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