



Material Content Data Sheet



Halogen-Free

| | | | |
|---------------------------|-------------|----------------|----------------|
| Sales Product Name | TLE7259-2GE | Issued | 08. April 2021 |
| MA# | MA001721082 | | |
| Package | PG-DSO-8-64 | Weight* | 81.98 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 | 2.228 | 2.72 | 2.72 | 27171 | 27171 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.009 | 0.01 | | 106 | |
| | non noble metal | zinc | 7440-66-6 | 0.035 | 0.04 | | 424 | |
| | non noble metal | iron | 7439-89-6 | 0.696 | 0.85 | | 8486 | |
| | non noble metal | copper | 7440-50-8 | 28.249 | 34.46 | 35.36 | 344564 | 353580 |
| wires | noble metal | palladium | 7440-05-3 | 0.001 | | | 11 | |
| | non noble metal | copper | 7440-50-8 | 0.089 | 0.11 | 0.11 | 1090 | 1101 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.142 | 0.17 | | 1733 | |
| | plastics | epoxy resin | - | 5.541 | 6.76 | | 67588 | |
| | inorganic material | silicondioxide | 60676-86-0 | 41.677 | 50.82 | 57.75 | 508357 | 577678 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.014 | 0.02 | | 165 | |
| | noble metal | gold | 7440-57-5 | 0.022 | 0.03 | | 266 | |
| | non noble metal | nickel | 7440-02-0 | 0.477 | 0.58 | 0.63 | 5824 | 6255 |
| plating | noble metal | palladium | 7440-05-3 | 0.038 | 0.05 | | 462 | |
| | noble metal | gold | 7440-57-5 | 0.061 | 0.07 | | 742 | |
| | non noble metal | nickel | 7440-02-0 | 1.333 | 1.63 | 1.75 | 16255 | 17459 |
| glue | plastics | epoxy resin | - | 0.343 | 0.42 | | 4189 | |
| | noble metal | silver | 7440-22-4 | 1.030 | 1.26 | 1.68 | 12567 | 16756 |
| *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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| Company | Infineon Technologies AG |
| Address | 81726 Neubiberg |
| Internet | www.infineon.com |