

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | BSC0805LS | **Issued** | 08. February 2022 |
| **MA#** | MA003348094 | | |
| **Package** | PG-TDSON-8-7 | **Weight*** | 118.52 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 | 0.848 | 0.72 | 0.72 | 7155 | 7155 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.011 | 0.01 | | 96 | |
| | non noble metal | iron | 7439-89-6 | 0.038 | 0.03 | | 319 | |
| | non noble metal | copper | 7440-50-8 | 37.762 | 31.86 | 31.90 | 318608 | 319023 |
| wire | noble metal | gold | 7440-57-5 | 0.045 | 0.04 | 0.04 | 380 | 380 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.087 | 0.07 | | 731 | |
| | plastics | epoxy resin | - | 6.843 | 5.77 | | 57734 | |
| | inorganic material | silicondioxide | 60676-86-0 | 36.379 | 30.69 | 36.53 | 306940 | 365405 |
| leadfinish | non noble metal | tin | 7440-31-5 | 1.452 | 1.22 | 1.22 | 12248 | 12248 |
| plating | noble metal | silver | 7440-22-4 | 0.166 | 0.14 | 0.14 | 1397 | 1397 |
| solder | non noble metal | tin | 7440-31-5 | 0.025 | 0.02 | | 209 | |
| | noble metal | silver | 7440-22-4 | 0.031 | 0.03 | | 261 | |
| | non noble metal | lead | 7439-92-1 | 1.180 | 1.00 | 1.05 | 9960 | 10430 |
| heat sink clip | inorganic material | phosphorus | 7723-14-0 | 0.007 | 0.01 | | 56 | |
| | non noble metal | iron | 7439-89-6 | 0.022 | 0.02 | | 188 | |
| | non noble metal | copper | 7440-50-8 | 22.292 | 18.81 | 18.84 | 188082 | 188326 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.003 | | | 29 | |
| | non noble metal | iron | 7439-89-6 | 0.011 | 0.01 | | 96 | |
| | non noble metal | copper | 7440-50-8 | 11.320 | 9.55 | 9.56 | 95511 | 95636 |
| *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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.



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| Company | Infineon Technologies AG |
| Address | 81726 Neubiberg |
| Internet | www.infineon.com |