

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | BCP 56-16 H6327 | **Issued** | 8. September 2019 |
| **MA#** | MA001201208 | | |
| **Package** | PG-SOT223-4-24 | **Weight*** | 107.18 mg |

| Construction Element | Material Group | Substances | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
|---|---|---|---|---|---|---|---|---|
| chip | non noble metal | tin | 7440-31-5 | 0.003 | 0.00 | | 26 | |
| | noble metal | gold | 7440-57-5 | 0.011 | 0.01 | | 99 | |
| | inorganic material | silicon | 7440-21-3 | 0.129 | 0.12 | 0.13 | 1208 | 1333 |
| leadframe | inorganic material | silicon | 7440-21-3 | 0.009 | 0.01 | | 80 | |
| | non noble metal | titanium | 7440-32-6 | 0.043 | 0.04 | | 398 | |
| | non noble metal | chromium | 7440-47-3 | 0.128 | 0.12 | | 1193 | |
| | non noble metal | copper | 7440-50-8 | 42.459 | 39.62 | 39.79 | 396160 | 397831 |
| wire | non noble metal | copper | 7440-50-8 | 0.078 | 0.07 | 0.07 | 725 | 725 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.624 | 0.58 | | 5818 | |
| | plastics | epoxy resin | - | 9.354 | 8.73 | | 87275 | |
| | inorganic material | silicondioxide | 60676-86-0 | 52.382 | 48.87 | 58.18 | 488742 | 581835 |
| leadfinish | non noble metal | tin | 7440-31-5 | 1.464 | 1.37 | 1.37 | 13660 | 13660 |
| plating | noble metal | silver | 7440-22-4 | 0.495 | 0.46 | 0.46 | 4616 | 4616 |
| *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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| Company | Infineon Technologies AG |
| Address | 81726 München |
| Internet | www.infineon.com |