



Material Content Data Sheet



| Sales Product Name | | IPB80N04S2-H4 | | Issued | | 29. August 2013 | | | |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|---------|
| MA# | | MA000275590 | | | | | | | |
| Package | | PG-TO263-3-2 | | Weight* | | 1467.08 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 | 10.198 | 0.70 | 0.70 | 6951 | 6951 | |
| leadframe | non noble metal | iron | 7439-89-6 | 0.853 | 0.06 | | 581 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.256 | 0.02 | | 174 | | |
| | non noble metal | copper | 7440-50-8 | 851.691 | 58.04 | 58.12 | 580536 | 581291 | |
| wire | non noble metal | aluminium | 7429-90-5 | 6.975 | 0.48 | 0.48 | 4754 | 4754 | |
| encapsulation | organic material | carbon black | 1333-86-4 | 8.709 | 0.59 | | 5936 | | |
| | plastics | epoxy resin | - | 95.801 | 6.53 | | 65301 | | |
| | inorganic material | silicondioxide | 60676-86-0 | 476.103 | 32.45 | 39.57 | 324525 | 395762 | |
| leadfinish | non noble metal | tin | 7440-31-5 | 9.657 | 0.66 | 0.66 | 6582 | 6582 | |
| plating | non noble metal | nickel | 7440-02-0 | 0.228 | 0.02 | | 156 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.001 | 0.00 | 0.02 | 0 | 156 | |
| solder | noble metal | silver | 7440-22-4 | 0.165 | 0.01 | | 113 | | |
| | non noble metal | tin | 7440-31-5 | 0.132 | 0.01 | | 90 | | |
| | non noble metal | lead | 7439-92-1 | 6.310 | 0.43 | 0.45 | 4301 | 4504 | |
| *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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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