



Material Content Data Sheet



| Sales Product Name | | IPB70N10S3-12 | | Issued | | 29. August 2013 | | |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| MA# | | MA000389811 | | | | | | |
| Package | | PG-TO263-3-2 | | Weight* | | 1463.38 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 | 5.755 | 0.39 | 0.39 | 3933 | 3933 |
| leadframe | non noble metal | iron | 7439-89-6 | 0.853 | 0.06 | | 583 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.256 | 0.02 | | 175 | |
| | non noble metal | copper | 7440-50-8 | 851.691 | 58.20 | 58.28 | 582003 | 582761 |
| wire | non noble metal | aluminium | 7429-90-5 | 5.306 | 0.36 | 0.36 | 3626 | 3626 |
| encapsulation | organic material | carbon black | 1333-86-4 | 8.795 | 0.60 | | 6010 | |
| | plastics | epoxy resin | - | 96.749 | 6.61 | | 66113 | |
| | inorganic material | silicondioxide | 60676-86-0 | 480.815 | 32.86 | 40.07 | 328564 | 400687 |
| leadfinish | non noble metal | tin | 7440-31-5 | 9.657 | 0.66 | 0.66 | 6599 | 6599 |
| 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 | 0.082 | 0.01 | | 56 | |
| | non noble metal | tin | 7440-31-5 | 0.065 | 0.00 | | 45 | |
| | non noble metal | lead | 7439-92-1 | 3.127 | 0.21 | 0.22 | 2137 | 2238 |
| *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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