



## Material Content Data Sheet



|                      |                    |                |                       |                |                        |                 |                          |              |
|----------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| Sales Product Name   | SGB10N60A          |                |                       | Issued         |                        | 29. August 2013 |                          |              |
| MA#                  | MA000534350        |                |                       |                |                        |                 |                          |              |
| Package              | PG-TO263-3-2       |                |                       | Weight*        |                        | 1461.61 mg      |                          |              |
| Construction Element | Material Group     | Substances     | CAS#<br>if applicable | Weight<br>[mg] | Average<br>Mass<br>[%] | Sum<br>[%]      | Average<br>Mass<br>[ppm] | Sum<br>[ppm] |
| chip                 | inorganic material | silicon        | 7440-21-3             | 2.461          | 0.17                   | 0.17            | 1684                     | 1684         |
| 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        | 58.28                  | 58.36           | 582707                   | 583465       |
| wire                 | non noble metal    | aluminium      | 7429-90-5             | 1.374          | 0.09                   | 0.09            | 940                      | 940          |
| encapsulation        | organic material   | carbon black   | 1333-86-4             | 8.891          | 0.61                   |                 | 6083                     |              |
|                      | plastics           | epoxy resin    | -                     | 97.803         | 6.69                   |                 | 66915                    |              |
|                      | inorganic material | silicondioxide | 60676-86-0            | 486.053        | 33.25                  | 40.55           | 332546                   | 405544       |
| leadfinish           | non noble metal    | tin            | 7440-31-5             | 9.657          | 0.66                   | 0.66            | 6607                     | 6607         |
| 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             | 0.059          | 0.00                   |                 | 40                       |              |
|                      | non noble metal    | tin            | 7440-31-5             | 0.047          | 0.00                   |                 | 32                       |              |
|                      | non noble metal    | lead           | 7439-92-1             | 2.240          | 0.15                   | 0.15            | 1532                     | 1604         |
| *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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