



## Material Content Data Sheet



| <b>Sales Product Name</b> |                    | IPB80N06S2L-09 |                       | <b>Issued</b>  |                        | 29. August 2013 |                          |              |         |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|---------|
| <b>MA#</b>                |                    | MA000275630    |                       |                |                        |                 |                          |              |         |
| <b>Package</b>            |                    | PG-TO263-3-2   |                       | <b>Weight*</b> |                        | 1464.20 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             | 5.888          | 0.40                   | 0.40            | 4021                     | 4021         |         |
| leadframe                 | non noble metal    | iron           | 7439-89-6             | 0.853          | 0.06                   |                 | 582                      |              |         |
|                           | inorganic material | phosphorus     | 7723-14-0             | 0.256          | 0.02                   |                 | 175                      |              |         |
|                           | non noble metal    | copper         | 7440-50-8             | 851.691        | 58.16                  | 58.24           | 581679                   | 582436       |         |
| wire                      | non noble metal    | aluminium      | 7429-90-5             | 5.287          | 0.36                   | 0.36            | 3611                     | 3611         |         |
| encapsulation             | organic material   | carbon black   | 1333-86-4             | 8.791          | 0.60                   |                 | 6004                     |              |         |
|                           | plastics           | epoxy resin    | -                     | 96.706         | 6.60                   |                 | 66047                    |              |         |
|                           | inorganic material | silicondioxide | 60676-86-0            | 480.601        | 32.82                  | 40.02           | 328235                   | 400286       |         |
| leadfinish                | non noble metal    | tin            | 7440-31-5             | 9.657          | 0.66                   | 0.66            | 6595                     | 6595         |         |
| 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             | 0.106          | 0.01                   |                 | 72                       |              |         |
|                           | non noble metal    | tin            | 7440-31-5             | 0.085          | 0.01                   |                 | 58                       |              |         |
|                           | non noble metal    | lead           | 7439-92-1             | 4.049          | 0.28                   | 0.30            | 2765                     | 2895         |         |
| *deviation                | < 10%              |                |                       |                |                        | Sum in total:   | 100.00                   |              | 1000000 |

### Important Remarks:

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