



## Material Content Data Sheet



|                      |                    |                  |                       |                |                        |                 |                          |              |
|----------------------|--------------------|------------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| Sales Product Name   | BAR 64-04 E6327    |                  |                       | Issued         |                        | 29. August 2013 |                          |              |
| MA#                  | MA000510872        |                  |                       |                |                        |                 |                          |              |
| Package              | PG-SOT23-3-11      |                  |                       | Weight*        |                        | 8.81 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                 | noble metal        | gold             | 7440-57-5             | 0.007          | 0.08                   |                 | 781                      |              |
|                      | non noble metal    | arsenic          | 7440-38-2             | 0.000          | 0.00                   |                 | 4                        |              |
|                      | inorganic material | silicon          | 7440-21-3             | 0.059          | 0.67                   | 0.75            | 6672                     | 7457         |
| leadframe            | non noble metal    | chromium         | 7440-47-3             | 0.008          | 0.09                   |                 | 925                      |              |
|                      | inorganic material | silicon          | 7440-21-3             | 0.001          | 0.01                   |                 | 62                       |              |
|                      | non noble metal    | titanium         | 7440-32-6             | 0.003          | 0.03                   |                 | 308                      |              |
|                      | non noble metal    | copper           | 7440-50-8             | 2.704          | 30.71                  | 30.84           | 307099                   | 308394       |
| wire                 | noble metal        | gold             | 7440-57-5             | 0.010          | 0.11                   | 0.11            | 1142                     | 1142         |
| encapsulation        | organic material   | carbon black     | 1333-86-4             | 0.058          | 0.65                   |                 | 6549                     |              |
|                      | plastics           | brominated resin | -                     | 0.087          | 0.98                   |                 | 9823                     |              |
|                      | inorganic material | antimonytrioxide | 1309-64-4             | 0.115          | 1.31                   |                 | 13098                    |              |
|                      | plastics           | epoxy resin      | -                     | 1.240          | 14.08                  |                 | 140798                   |              |
|                      | inorganic material | silicondioxide   | 60676-86-0            | 4.267          | 48.47                  | 65.49           | 484608                   | 654876       |
| leadfinish           | non noble metal    | tin              | 7440-31-5             | 0.150          | 1.70                   | 1.70            | 16993                    | 16993        |
| plating              | noble metal        | silver           | 7440-22-4             | 0.098          | 1.11                   | 1.11            | 11138                    | 11138        |
| *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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