



Material Content Data Sheet



| Sales Product Name | | BC 848C E6327 | | Issued | | 29. August 2013 | | |
|---------------------------|--------------------|------------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| MA# | | MA000438126 | | | | | | |
| Package | | PG-SOT23-3-16 | | Weight* | | 8.82 mg | | |
| Construction Element | Material Group | Substances | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
| chip | noble metal | gold | 7440-57-5 | 0.003 | 0.03 | | 332 | |
| | non noble metal | arsenic | 7440-38-2 | 0.000 | 0.00 | | 3 | |
| | inorganic material | silicon | 7440-21-3 | 0.025 | 0.28 | 0.31 | 2840 | 3175 |
| leadframe | non noble metal | chromium | 7440-47-3 | 0.008 | 0.09 | | 933 | |
| | inorganic material | silicon | 7440-21-3 | 0.001 | 0.01 | | 62 | |
| | non noble metal | titanium | 7440-32-6 | 0.003 | 0.03 | | 311 | |
| | non noble metal | copper | 7440-50-8 | 2.731 | 30.95 | 31.08 | 309548 | 310854 |
| wire | noble metal | gold | 7440-57-5 | 0.015 | 0.17 | 0.17 | 1677 | 1677 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.058 | 0.66 | | 6560 | |
| | plastics | brominated resin | - | 0.087 | 0.98 | | 9841 | |
| | inorganic material | antimonytrioxide | 1309-64-4 | 0.116 | 1.31 | | 13121 | |
| | plastics | epoxy resin | - | 1.244 | 14.10 | | 141048 | |
| | inorganic material | silicondioxide | 60676-86-0 | 4.283 | 48.56 | 65.61 | 485468 | 656038 |
| leadfinish | non noble metal | tin | 7440-31-5 | 0.150 | 1.70 | 1.70 | 16963 | 16963 |
| plating | noble metal | silver | 7440-22-4 | 0.100 | 1.13 | 1.13 | 11293 | 11293 |
| *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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