



Material Content Data Sheet



| Sales Product Name | | BTS5016-1EKB | | Issued | | 29. August 2013 | | |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| MA# | | MA001109716 | | | | | | |
| Package | | PG-DSO-14-47 | | Weight* | | 150.49 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 | 3.081 | 2.05 | 2.05 | 20471 | 20471 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.017 | 0.01 | | 115 | |
| | non noble metal | zinc | 7440-66-6 | 0.069 | 0.05 | | 460 | |
| | non noble metal | iron | 7439-89-6 | 1.383 | 0.92 | | 9193 | |
| wire | non noble metal | copper | 7440-50-8 | 56.175 | 37.33 | 38.31 | 373278 | 383046 |
| | non noble metal | copper | 7440-50-8 | 0.560 | 0.37 | 0.37 | 3724 | 3724 |
| | organic material | carbon black | 1333-86-4 | 0.169 | 0.11 | | 1121 | |
| encapsulation | plastics | epoxy resin | - | 7.758 | 5.16 | | 51551 | |
| | inorganic material | silicondioxide | 60676-86-0 | 76.398 | 50.76 | 56.03 | 507660 | 560332 |
| leadfinish | non noble metal | tin | 7440-31-5 | 2.472 | 1.64 | 1.64 | 16424 | 16424 |
| plating | noble metal | silver | 7440-22-4 | 1.470 | 0.98 | 0.98 | 9770 | 9770 |
| glue | plastics | epoxy resin | - | 0.164 | 0.11 | | 1091 | |
| | noble metal | silver | 7440-22-4 | 0.774 | 0.51 | 0.62 | 5142 | 6233 |
| *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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