



Material Content Data Sheet



| Sales Product Name | | BSC070N10NS3 G | | Issued | | 29. August 2013 | | |
|---------------------------|--------------------|----------------|--------------------|----------------|------------------|-----------------|--------------------|-----------|
| MA# | | MA001045718 | | | | | | |
| Package | | PG-TDSON-8-1 | | Weight* | | 121.71 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 | 3.666 | 3.01 | 3.01 | 30122 | 30122 |
| leadframe | non noble metal | iron | 7439-89-6 | 0.038 | 0.03 | | 311 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.011 | 0.01 | | 93 | |
| | non noble metal | copper | 7440-50-8 | 37.762 | 31.03 | 31.07 | 310251 | 310655 |
| wire | non noble metal | copper | 7440-50-8 | 0.057 | 0.05 | 0.05 | 470 | 470 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.081 | 0.07 | | 667 | |
| | plastics | epoxy resin | - | 5.762 | 4.73 | | 47345 | |
| | inorganic material | silicondioxide | 60676-86-0 | 34.737 | 28.54 | 33.34 | 285403 | 333415 |
| leadfinish | non noble metal | tin | 7440-31-5 | 1.452 | 1.19 | 1.19 | 11927 | 11927 |
| plating | noble metal | silver | 7440-22-4 | 0.166 | 0.14 | 0.14 | 1360 | 1360 |
| solder | noble metal | silver | 7440-22-4 | 0.076 | 0.06 | | 624 | |
| | non noble metal | tin | 7440-31-5 | 0.061 | 0.05 | | 499 | |
| | non noble metal | lead | 7439-92-1 | 2.899 | 2.38 | 2.49 | 23821 | 24944 |
| heatspreader | non noble metal | iron | 7439-89-6 | 0.011 | 0.01 | | 93 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.003 | 0.00 | | 28 | |
| | non noble metal | copper | 7440-50-8 | 11.320 | 9.30 | 9.31 | 93006 | 93127 |
| heat sink CLIP | non noble metal | iron | 7439-89-6 | 0.022 | 0.02 | | 183 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.007 | 0.01 | | 55 | |
| | noble metal | silver | 7440-22-4 | 1.289 | 1.06 | | 10594 | |
| | non noble metal | copper | 7440-50-8 | 22.292 | 18.31 | 19.40 | 183148 | 193980 |
| *deviation | < 10% | | Sum in total: | | | 100,00 | | 1000000 |

Important Remarks:

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