

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | BSC067N06LS3 G | **Issued** | 29. August 2013 |
| **MA#** | MA001118220 | | |
| **Package** | PG-TDSON-8-14 | **Weight*** | 119.40 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 | 1.835 | 1.54 | 1.54 | 15367 | 15367 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.010 | 0.01 | | 81 | |
| | non noble metal | zinc | 7440-66-6 | 0.039 | 0.03 | | 326 | |
| | non noble metal | iron | 7439-89-6 | 0.778 | 0.65 | | 6516 | |
| | non noble metal | copper | 7440-50-8 | 31.590 | 26.46 | 27.15 | 264566 | 271489 |
| wire | non noble metal | copper | 7440-50-8 | 0.058 | 0.05 | 0.05 | 488 | 488 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.236 | 0.20 | | 1978 | |
| | plastics | epoxy resin | - | 7.322 | 6.13 | | 61321 | |
| | inorganic material | silicondioxide | 60676-86-0 | 39.680 | 33.24 | 39.57 | 332321 | 395620 |
| leadfinish | non noble metal | tin | 7440-31-5 | 1.243 | 1.04 | 1.04 | 10407 | 10407 |
| plating | noble metal | silver | 7440-22-4 | 0.037 | 0.03 | 0.03 | 313 | 313 |
| solder | noble metal | silver | 7440-22-4 | 0.046 | 0.04 | | 385 | |
| | non noble metal | tin | 7440-31-5 | 0.037 | 0.03 | | 308 | |
| | non noble metal | lead | 7439-92-1 | 1.758 | 1.47 | 1.54 | 14720 | 15413 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.005 | 0.00 | | 45 | |
| | non noble metal | zinc | 7440-66-6 | 0.021 | 0.02 | | 179 | |
| | non noble metal | iron | 7439-89-6 | 0.428 | 0.36 | | 3581 | |
| | non noble metal | copper | 7440-50-8 | 17.360 | 14.54 | 14.92 | 145389 | 149194 |
| heat sink CLIP | non noble metal | iron | 7439-89-6 | 0.017 | 0.01 | | 142 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.005 | 0.00 | | 43 | |
| | non noble metal | copper | 7440-50-8 | 16.898 | 14.15 | 14.16 | 141524 | 141709 |
| *deviation | < 10% | | | | Sum in total: | 100,00 | | 1000000 |

**Important Remarks:**

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