



Material Content Data Sheet



| Sales Product Name | | | | BSZ900N15NS3 G | | Issued | | 29. August 2013 | |
|---------------------------|--------------------|------------------|--------------------|----------------|------------------|----------------|--------------------|-----------------|---------|
| MA# | | | | MA000677988 | | | | | |
| Package | | | | PG-TSDSON-8-2 | | Weight* | | 38.25 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 | 1.118 | 2.92 | 2.92 | 29236 | 29236 | |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.002 | 0.01 | | 55 | | |
| | non noble metal | zinc | 7440-66-6 | 0.008 | 0.02 | | 219 | | |
| | non noble metal | iron | 7439-89-6 | 0.168 | 0.44 | | 4383 | | |
| wire | non noble metal | copper | 7440-50-8 | 6.808 | 17.80 | 18.27 | 177966 | 182623 | |
| | non noble metal | copper | 7440-50-8 | 0.033 | 0.09 | 0.09 | 852 | 852 | |
| | encapsulation | organic material | carbon black | 1333-86-4 | 0.035 | 0.09 | | 917 | |
| plastics | plastics | epoxy resin | - | 1.807 | 4.72 | | 47230 | | |
| | inorganic material | silicondioxide | 60676-86-0 | 15.699 | 41.04 | 45.85 | 410392 | 458539 | |
| | leadfinish | non noble metal | tin | 7440-31-5 | 0.387 | 1.01 | 1.01 | 10121 | 10121 |
| plating | noble metal | silver | 7440-22-4 | 0.963 | 2.52 | 2.52 | 25164 | 25164 | |
| solder | noble metal | silver | 7440-22-4 | 0.034 | 0.09 | | 879 | | |
| | non noble metal | tin | 7440-31-5 | 0.027 | 0.07 | | 704 | | |
| | non noble metal | lead | 7439-92-1 | 1.285 | 3.36 | 3.52 | 33592 | 35175 | |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.001 | 0.00 | | 28 | | |
| | non noble metal | zinc | 7440-66-6 | 0.004 | 0.01 | | 113 | | |
| | non noble metal | iron | 7439-89-6 | 0.086 | 0.23 | | 2254 | | |
| heat sink CLIP | non noble metal | copper | 7440-50-8 | 3.501 | 9.15 | 9.39 | 91527 | 93922 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.002 | 0.00 | | 49 | | |
| | non noble metal | zinc | 7440-66-6 | 0.008 | 0.02 | | 197 | | |
| *deviation | non noble metal | iron | 7439-89-6 | 0.151 | 0.39 | | 3945 | | |
| | non noble metal | copper | 7440-50-8 | 6.127 | 16.02 | 16.43 | 160177 | 164368 | |
| | | | | | | Sum in total: | 100.00 | | 1000000 |

Important Remarks:

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