



Material Content Data Sheet



| Sales Product Name | | | | IPD127N06L G | | Issued | | 29. August 2013 | |
|---------------------------|--------------------|------------------|-----------------------|----------------|------------------------|----------------|--------------------------|-----------------|--|
| MA# | | | | MA000662002 | | | | | |
| Package | | | | PG-TO252-3-311 | | Weight* | | 315.20 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 | 4.029 | 1.28 | 1.28 | 12781 | 12781 | |
| leadframe | non noble metal | iron | 7439-89-6 | 0.143 | 0.05 | | 455 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.043 | 0.01 | | 136 | | |
| | non noble metal | copper | 7440-50-8 | 143.098 | 45.39 | 45.45 | 453986 | 454577 | |
| wire | non noble metal | aluminium | 7429-90-5 | 2.208 | 0.70 | 0.70 | 7004 | 7004 | |
| encapsulation | inorganic material | antimonytrioxide | 1309-64-4 | 1.952 | 0.62 | | 6194 | | |
| | plastics | brominated resin | - | 2.092 | 0.66 | | 6636 | | |
| | organic material | carbon black | 1333-86-4 | 2.231 | 0.71 | | 7079 | | |
| | plastics | epoxy resin | - | 18.827 | 5.97 | | 59728 | | |
| | inorganic material | silicondioxide | 60676-86-0 | 114.354 | 36.28 | 44.24 | 362793 | 442430 | |
| leadfinish | non noble metal | tin | 7440-31-5 | 3.740 | 1.19 | 1.19 | 11865 | 11865 | |
| plating | non noble metal | nickel | 7440-02-0 | 0.086 | 0.03 | | 274 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.000 | 0.00 | 0.03 | 1 | 275 | |
| solder | noble metal | silver | 7440-22-4 | 0.080 | 0.03 | | 254 | | |
| | non noble metal | tin | 7440-31-5 | 0.064 | 0.02 | | 203 | | |
| | non noble metal | lead | 7439-92-1 | 3.055 | 0.97 | 1.02 | 9691 | 10148 | |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.006 | 0.00 | | 18 | | |
| | non noble metal | iron | 7439-89-6 | 0.019 | 0.01 | | 61 | | |
| | non noble metal | copper | 7440-50-8 | 19.177 | 6.08 | 6.09 | 60841 | 60920 | |
| *deviation | < 10% | | Sum in total: | | | 100.00 | | 1000000 | |

Important Remarks:

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