



Material Content Data Sheet



| Sales Product Name | | IPD60R380P6 | | Issued | | 29. August 2013 | | | |
|---------------------------|--------------------|----------------|--------------------|----------------|------------------|-----------------|--------------------|-----------|---------|
| MA# | | MA001144452 | | | | | | | |
| Package | | PG-TO252-3-313 | | Weight* | | 319.69 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 | 4.522 | 1.41 | 1.41 | 14145 | 14145 | |
| leadframe | non noble metal | iron | 7439-89-6 | 0.147 | 0.05 | | 461 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.044 | 0.01 | | 138 | | |
| | non noble metal | copper | 7440-50-8 | 147.096 | 46.03 | 46.09 | 460124 | 460723 | |
| wire | non noble metal | aluminium | 7429-90-5 | 0.525 | 0.16 | 0.16 | 1642 | 1642 | |
| encapsulation | organic material | carbon black | 1333-86-4 | 1.393 | 0.44 | | 4357 | | |
| | plastics | epoxy resin | - | 24.376 | 7.62 | | 76250 | | |
| | inorganic material | silicondioxide | 60676-86-0 | 113.523 | 35.51 | 43.57 | 355105 | 435712 | |
| leadfinish | non noble metal | tin | 7440-31-5 | 3.740 | 1.17 | 1.17 | 11699 | 11699 | |
| plating | inorganic material | phosphorus | 7723-14-0 | 0.003 | 0.00 | | 11 | | |
| | non noble metal | nickel | 7440-02-0 | 1.421 | 0.44 | 0.44 | 4443 | 4454 | |
| solder | noble metal | silver | 7440-22-4 | 0.092 | 0.03 | | 289 | | |
| | non noble metal | tin | 7440-31-5 | 0.074 | 0.02 | | 231 | | |
| | non noble metal | lead | 7439-92-1 | 3.529 | 1.10 | 1.15 | 11039 | 11559 | |
| heatspreader | non noble metal | iron | 7439-89-6 | 0.019 | 0.01 | | 60 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.006 | 0.00 | | 18 | | |
| | non noble metal | copper | 7440-50-8 | 19.177 | 6.00 | 6.01 | 59988 | 60066 | |
| *deviation | < 10% | | | | | Sum in total: | 100.00 | | 1000000 |

Important Remarks:

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