



Material Content Data Sheet



| Sales Product Name | | IPW60R099CPA | | Issued | | 29. August 2013 | | |
|---------------------------|--------------------|----------------|--------------------|----------------|------------------|-----------------|--------------------|-----------|
| MA# | | MA000772922 | | | | | | |
| Package | | PG-TO247-3-41 | | Weight* | | 6051.68 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 | 15.501 | 0.26 | 0.26 | 2561 | 2561 |
| leadframe | non noble metal | iron | 7439-89-6 | 0.530 | 0.01 | | 88 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.159 | 0.00 | | 26 | |
| | non noble metal | copper | 7440-50-8 | 529.068 | 8.74 | 8.75 | 87425 | 87539 |
| wire | non noble metal | aluminium | 7429-90-5 | 3.859 | 0.06 | 0.06 | 638 | 638 |
| encapsulation | organic material | carbon black | 1333-86-4 | 19.927 | 0.33 | | 3293 | |
| | plastics | epoxy resin | - | 378.606 | 6.26 | | 62562 | |
| | inorganic material | silicondioxide | 60676-86-0 | 1594.131 | 26.34 | 32.93 | 263419 | 329274 |
| leadfinish | non noble metal | tin | 7440-31-5 | 31.874 | 0.53 | 0.53 | 5267 | 5267 |
| plating | non noble metal | nickel | 7440-02-0 | 29.065 | 0.48 | 0.48 | 4803 | 4803 |
| solder | non noble metal | antimony | 7440-36-0 | 0.648 | 0.01 | | 107 | |
| | noble metal | silver | 7440-22-4 | 1.619 | 0.03 | | 268 | |
| | non noble metal | tin | 7440-31-5 | 4.210 | 0.07 | 0.11 | 696 | 1071 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 1.033 | 0.02 | | 171 | |
| | non noble metal | iron | 7439-89-6 | 3.442 | 0.06 | | 569 | |
| | non noble metal | copper | 7440-50-8 | 3438.006 | 56.80 | 56.88 | 568107 | 568847 |
| *deviation | < 10% | | Sum in total: | | | 100,00 | | 1000000 |

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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