



Material Content Data Sheet



| Sales Product Name | | IPP60R520CP | | Issued | | 29. August 2013 | | |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| MA# | | MA000754004 | | | | | | |
| Package | | PG-TO220-3-1 | | Weight* | | 2031.00 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 | 3.934 | 0.19 | 0.19 | 1937 | 1937 |
| leadframe | non noble metal | iron | 7439-89-6 | 1.407 | 0.07 | | 693 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.422 | 0.02 | | 208 | |
| | non noble metal | copper | 7440-50-8 | 1404.801 | 69.18 | 69.27 | 691681 | 692582 |
| wire | non noble metal | aluminium | 7429-90-5 | 0.706 | 0.03 | 0.03 | 347 | 347 |
| encapsulation | organic material | carbon black | 1333-86-4 | 5.956 | 0.29 | | 2933 | |
| | plastics | epoxy resin | - | 113.172 | 5.57 | | 55722 | |
| | inorganic material | silicondioxide | 60676-86-0 | 476.514 | 23.46 | 29.32 | 234621 | 293276 |
| leadfinish | non noble metal | tin | 7440-31-5 | 21.462 | 1.06 | 1.06 | 10567 | 10567 |
| plating | non noble metal | nickel | 7440-02-0 | 0.244 | 0.01 | | 120 | |
| | inorganic material | phosphorus | 7723-14-0 | 0.001 | 0.00 | 0.01 | 0 | 120 |
| solder | non noble metal | antimony | 7440-36-0 | 0.238 | 0.01 | | 117 | |
| | noble metal | silver | 7440-22-4 | 0.595 | 0.03 | | 293 | |
| | non noble metal | tin | 7440-31-5 | 1.546 | 0.08 | 0.12 | 761 | 1171 |
| *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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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