



Material Content Data Sheet



| Sales Product Name | | | | IPP60R160C6 | | Issued | | 29. August 2013 | |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|----------------|--------------------------|-----------------|--|
| MA# | | | | MA001075742 | | | | | |
| Package | | | | PG-TO220-3-123 | | Weight* | | 2028.76 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 | 9.083 | 0.45 | 0.45 | 4477 | 4477 | |
| leadframe | non noble metal | iron | 7439-89-6 | 0.816 | 0.04 | | 402 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.245 | 0.01 | | 121 | | |
| | non noble metal | copper | 7440-50-8 | 815.335 | 40.19 | 40.24 | 401888 | 402411 | |
| wire | non noble metal | aluminium | 7429-90-5 | 2.552 | 0.13 | 0.13 | 1258 | 1258 | |
| encapsulation | organic material | carbon black | 1333-86-4 | 2.331 | 0.11 | | 1149 | | |
| | plastics | epoxy resin | - | 67.609 | 3.33 | | 33325 | | |
| | inorganic material | silicondioxide | 60676-86-0 | 512.896 | 25.28 | 28.72 | 252812 | 287286 | |
| leadfinish | non noble metal | tin | 7440-31-5 | 21.462 | 1.06 | 1.06 | 10579 | 10579 | |
| plating | non noble metal | nickel | 7440-02-0 | 1.764 | 0.09 | 0.09 | 869 | 869 | |
| solder | noble metal | silver | 7440-22-4 | 1.109 | 0.05 | | 547 | | |
| | non noble metal | antimony | 7440-36-0 | 0.444 | 0.02 | | 219 | | |
| | non noble metal | tin | 7440-31-5 | 2.884 | 0.14 | 0.21 | 1421 | 2187 | |
| heatspreader | non noble metal | iron | 7439-89-6 | 0.590 | 0.03 | | 291 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.177 | 0.01 | | 87 | | |
| | non noble metal | copper | 7440-50-8 | 589.466 | 29.06 | 29.10 | 290555 | 290933 | |
| *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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