



Material Content Data Sheet



| Sales Product Name | | IPA60R520E6 | | Issued | | 29. August 2013 | | | |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|---------|
| MA# | | MA000837402 | | | | | | | |
| Package | | PG-TO220-3-111 | | Weight* | | 2240.01 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 | 3.425 | 0.15 | 0.15 | 1529 | 1529 | |
| leadframe | non noble metal | iron | 7439-89-6 | 1.120 | 0.05 | | 500 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.336 | 0.02 | | 150 | | |
| | non noble metal | copper | 7440-50-8 | 1118.332 | 49.93 | 50.00 | 499253 | 499903 | |
| wire | non noble metal | aluminium | 7429-90-5 | 0.661 | 0.03 | 0.03 | 295 | 295 | |
| encapsulation | organic material | carbon black | 1333-86-4 | 2.212 | 0.10 | | 988 | | |
| | plastics | epoxy resin | - | 207.943 | 9.28 | | 92831 | | |
| | inorganic material | silicondioxide | 60676-86-0 | 895.924 | 40.00 | 49.38 | 399964 | 493783 | |
| leadfinish | non noble metal | tin | 7440-31-5 | 7.942 | 0.35 | 0.35 | 3545 | 3545 | |
| plating | non noble metal | nickel | 7440-02-0 | 0.305 | 0.01 | | 136 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.001 | 0.00 | 0.01 | 0 | 136 | |
| solder | non noble metal | antimony | 7440-36-0 | 0.181 | 0.01 | | 81 | | |
| | noble metal | silver | 7440-22-4 | 0.453 | 0.02 | | 202 | | |
| | non noble metal | tin | 7440-31-5 | 1.178 | 0.05 | 0.08 | 526 | 809 | |
| *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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| Company | Infineon Technologies AG |
| Address | 81726 München |
| Internet | www.infineon.com |