



Material Content Data Sheet



| Sales Product Name | | SAF-C161K-LM 3V HA | | Issued | | 29. August 2013 | | |
|---------------------------|--------------------|--------------------|--------------------|----------------|------------------|-----------------|--------------------|-----------|
| MA# | | MA000455574 | | | | | | |
| Package | | PG-MQFP-80-7 | | Weight* | | 989.87 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 | 17.388 | 1.76 | 1.76 | 17566 | 17566 |
| leadframe | non noble metal | magnesium | 7439-95-4 | 0.375 | 0.04 | | 379 | |
| | inorganic material | silicon | 7440-21-3 | 1.624 | 0.16 | | 1640 | |
| | non noble metal | nickel | 7440-02-0 | 7.494 | 0.76 | | 7571 | |
| wire | non noble metal | copper | 7440-50-8 | 240.318 | 24.28 | 25.24 | 242776 | 252366 |
| | noble metal | gold | 7440-57-5 | 3.906 | 0.39 | 0.39 | 3946 | 3946 |
| | encapsulation | organic material | carbon black | 1333-86-4 | 2.096 | 0.21 | | 2117 |
| plastics | | epoxy resin | - | 88.729 | 8.96 | | 89636 | |
| | inorganic material | silicondioxide | 60676-86-0 | 607.826 | 61.41 | 70.58 | 614043 | 705797 |
| leadfinish | non noble metal | tin | 7440-31-5 | 9.487 | 0.96 | 0.96 | 9584 | 9584 |
| plating | noble metal | silver | 7440-22-4 | 7.024 | 0.71 | 0.71 | 7096 | 7096 |
| glue | plastics | acrylic resin | - | 0.722 | 0.07 | | 729 | |
| | noble metal | silver | 7440-22-4 | 2.887 | 0.29 | 0.36 | 2917 | 3646 |
| *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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| Company | Infineon Technologies AG |
| Address | 81726 München |
| Internet | www.infineon.com |