

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | IPW60R125CP | **Issued** | 06. April 2021 |
| **MA#** | MA001674892 | | |
| **Package** | PG-TO247-3-41 | **Weight*** | 6051.86 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 | 13.508 | 0.22 | 0.22 | 2232 | 2232 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.159 | | | 26 | |
| | non noble metal | iron | 7439-89-6 | 0.530 | 0.01 | | 88 | |
| | non noble metal | copper | 7440-50-8 | 529.068 | 8.74 | 8.75 | 87422 | 87536 |
| wire | non noble metal | aluminium | 7429-90-5 | 5.415 | 0.09 | 0.09 | 895 | 895 |
| encapsulation | organic material | carbon black | 1333-86-4 | 19.940 | 0.33 | | 3295 | |
| | plastics | epoxy resin | - | 378.861 | 6.26 | | 62602 | |
| | inorganic material | silicondioxide | 60676-86-0 | 1,595.203 | 26.36 | 32.95 | 263589 | 329486 |
| 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 | 0.576 | 0.01 | | 95 | |
| | noble metal | silver | 7440-22-4 | 1.440 | 0.02 | | 238 | |
| | non noble metal | tin | 7440-31-5 | 3.743 | 0.06 | 0.09 | 619 | 952 |
| 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 | 3,438.006 | 56.81 | 56.89 | 568089 | 568829 |
| *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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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.



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