



## Material Content Data Sheet



Halogen-Free

|                           |                |                |                |
|---------------------------|----------------|----------------|----------------|
| <b>Sales Product Name</b> | IPA60R080P7    | <b>Issued</b>  | 06. April 2021 |
| <b>MA#</b>                | MA002054950    |                |                |
| <b>Package</b>            | PG-TO220-3-253 | <b>Weight*</b> | 2136.03 mg     |

| Construction Element | Material Group     | Substances     | CAS#<br>if applicable | Weight [mg] | Average<br>Mass [%] | Sum [%] | Average<br>Mass<br>[ppm] | Sum [ppm] |
|----------------------|--------------------|----------------|-----------------------|-------------|---------------------|---------|--------------------------|-----------|
| chip                 | inorganic material | silicon        | 7440-21-3             | 7.931       | 0.37                | 0.37    | 3713                     | 3713      |
| leadframe            | inorganic material | phosphorus     | 7723-14-0             | 0.429       | 0.02                |         | 201                      |           |
|                      | non noble metal    | iron           | 7439-89-6             | 1.431       | 0.07                |         | 670                      |           |
|                      | non noble metal    | copper         | 7440-50-8             | 1,428.770   | 66.87               | 66.96   | 668889                   | 669760    |
| wire                 | non noble metal    | aluminium      | 7429-90-5             | 3.781       | 0.18                | 0.18    | 1770                     | 1770      |
| encapsulation        | organic material   | carbon black   | 1333-86-4             | 3.333       | 0.16                |         | 1560                     |           |
|                      | plastics           | epoxy resin    | -                     | 129.983     | 6.09                |         | 60852                    |           |
|                      | inorganic material | silicondioxide | 60676-86-0            | 533.264     | 24.97               | 31.22   | 249651                   | 312063    |
| leadfinish           | non noble metal    | tin            | 7440-31-5             | 21.462      | 1.00                | 1.00    | 10048                    | 10048     |
| plating              | non noble metal    | nickel         | 7440-02-0             | 1.764       | 0.08                | 0.08    | 826                      | 826       |
| solder               | non noble metal    | antimony       | 7440-36-0             | 0.389       | 0.02                |         | 182                      |           |
|                      | noble metal        | silver         | 7440-22-4             | 0.972       | 0.05                |         | 455                      |           |
|                      | non noble metal    | tin            | 7440-31-5             | 2.526       | 0.12                | 0.19    | 1183                     | 1820      |
| *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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