



## Material Content Data Sheet



Halogen-Free

|                           |                |                |                |
|---------------------------|----------------|----------------|----------------|
| <b>Sales Product Name</b> | IPP60R125CFD7  | <b>Issued</b>  | 04. April 2021 |
| <b>MA#</b>                | MA001698124    |                |                |
| <b>Package</b>            | PG-TO220-3-123 | <b>Weight*</b> | 2027.53 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             | 5.435       | 0.27                | 0.27    | 2680                     | 2680      |
| leadframe            | inorganic material | phosphorus     | 7723-14-0             | 0.245       | 0.01                |         | 121                      |           |
|                      | non noble metal    | iron           | 7439-89-6             | 0.816       | 0.04                |         | 403                      |           |
|                      | non noble metal    | copper         | 7440-50-8             | 815.335     | 40.21               | 40.26   | 402134                   | 402658    |
| wire                 | non noble metal    | aluminium      | 7429-90-5             | 3.067       | 0.15                | 0.15    | 1513                     | 1513      |
| encapsulation        | organic material   | carbon black   | 1333-86-4             | 2.345       | 0.12                |         | 1156                     |           |
|                      | plastics           | epoxy resin    | -                     | 68.000      | 3.35                |         | 33538                    |           |
|                      | inorganic material | silicondioxide | 60676-86-0            | 515.859     | 25.44               | 28.91   | 254428                   | 289122    |
| leadfinish           | non noble metal    | tin            | 7440-31-5             | 21.462      | 1.06                | 1.06    | 10585                    | 10585     |
| plating              | non noble metal    | nickel         | 7440-02-0             | 1.764       | 0.09                | 0.09    | 870                      | 870       |
| solder               | non noble metal    | antimony       | 7440-36-0             | 0.297       | 0.01                |         | 146                      |           |
|                      | noble metal        | silver         | 7440-22-4             | 0.741       | 0.04                |         | 366                      |           |
|                      | non noble metal    | tin            | 7440-31-5             | 1.928       | 0.10                | 0.15    | 951                      | 1463      |
| heatspreader         | inorganic material | phosphorus     | 7723-14-0             | 0.177       | 0.01                |         | 87                       |           |
|                      | non noble metal    | iron           | 7439-89-6             | 0.590       | 0.03                |         | 291                      |           |
|                      | non noble metal    | copper         | 7440-50-8             | 589.466     | 29.07               | 29.11   | 290731                   | 291109    |
| *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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