



## Material Content Data Sheet



Halogen-Free

|                           |              |                |               |
|---------------------------|--------------|----------------|---------------|
| <b>Sales Product Name</b> | 1ED3120MC12H | <b>Issued</b>  | 26. June 2021 |
| <b>MA#</b>                | MA005578255  |                |               |
| <b>Package</b>            | PG-DSO-8-66  | <b>Weight*</b> | 285.11 mg     |

| Construction Element | Material Group     | Substances     | CAS#<br>if applicable | Weight [mg] | Average<br>Mass [%] | Sum [%] | Average<br>Mass<br>[ppm] | Sum [ppm] |
|----------------------|--------------------|----------------|-----------------------|-------------|---------------------|---------|--------------------------|-----------|
| chip_1               | inorganic material | silicon        | 7440-21-3             | 1.169       | 0.41                | 0.41    | 4098                     | 4098      |
| chip_2               | inorganic material | silicon        | 7440-21-3             | 0.906       | 0.32                | 0.32    | 3177                     | 3177      |
| leadframe            | inorganic material | phosphorus     | 7723-14-0             | 0.026       | 0.01                |         | 92                       |           |
|                      | non noble metal    | zinc           | 7440-66-6             | 0.105       | 0.04                |         | 368                      |           |
|                      | non noble metal    | iron           | 7439-89-6             | 2.099       | 0.74                |         | 7362                     |           |
|                      | non noble metal    | copper         | 7440-50-8             | 85.233      | 29.89               | 30.68   | 298945                   | 306767    |
| wire                 | non noble metal    | copper         | 7440-50-8             | 0.193       | 0.07                | 0.07    | 677                      | 677       |
| encapsulation        | organic material   | carbon black   | 1333-86-4             | 0.963       | 0.34                |         | 3376                     |           |
|                      | plastics           | epoxy resin    | -                     | 19.251      | 6.75                |         | 67521                    |           |
|                      | inorganic material | silicondioxide | 60676-86-0            | 172.298     | 60.43               | 67.52   | 604312                   | 675209    |
| leadfinish           | non noble metal    | tin            | 7440-31-5             | 1.171       | 0.41                | 0.41    | 4108                     | 4108      |
| plating              | noble metal        | silver         | 7440-22-4             | 0.316       | 0.11                | 0.11    | 1107                     | 1107      |
| glue                 | plastics           | epoxy resin    | -                     | 0.346       | 0.12                |         | 1214                     |           |
|                      | noble metal        | silver         | 7440-22-4             | 1.039       | 0.36                | 0.48    | 3643                     | 4857      |
| *deviation           | < 10%              | Sum in total:  |                       |             |                     | 100.00  |                          | 1000000   |

### Important Remarks:

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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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| Company  | Infineon Technologies AG |
| Address  | 81726 Neubiberg          |
| Internet | www.infineon.com         |