



## Material Content Data Sheet



Halogen-Free

|                           |                |                |                |
|---------------------------|----------------|----------------|----------------|
| <b>Sales Product Name</b> | BSZ100N06LS3 G | <b>Issued</b>  | 12. April 2021 |
| <b>MA#</b>                | MA002213770    |                |                |
| <b>Package</b>            | PG-TSDSON-8-2  | <b>Weight*</b> | 38.37 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             | 1.281       | 3.34                | 3.34    | 33385                    | 33385     |
| leadframe            | inorganic material | phosphorus     | 7723-14-0             | 0.002       | 0.01                |         | 55                       |           |
|                      | non noble metal    | zinc           | 7440-66-6             | 0.008       | 0.02                |         | 218                      |           |
|                      | non noble metal    | iron           | 7439-89-6             | 0.168       | 0.44                |         | 4370                     |           |
|                      | non noble metal    | copper         | 7440-50-8             | 6.808       | 17.74               | 18.21   | 177422                   | 182065    |
| wire                 | non noble metal    | copper         | 7440-50-8             | 0.036       | 0.09                | 0.09    | 943                      | 943       |
| encapsulation        | organic material   | carbon black   | 1333-86-4             | 0.035       | 0.09                |         | 906                      |           |
|                      | plastics           | epoxy resin    | -                     | 1.790       | 4.66                |         | 46650                    |           |
|                      | inorganic material | silicondioxide | 60676-86-0            | 15.553      | 40.55               | 45.30   | 405356                   | 452912    |
| leadfinish           | non noble metal    | tin            | 7440-31-5             | 0.387       | 1.01                | 1.01    | 10090                    | 10090     |
| plating              | noble metal        | silver         | 7440-22-4             | 0.963       | 2.51                | 2.51    | 25087                    | 25087     |
| solder               | non noble metal    | tin            | 7440-31-5             | 0.029       | 0.08                |         | 760                      |           |
|                      | noble metal        | silver         | 7440-22-4             | 0.036       | 0.10                |         | 950                      |           |
|                      | non noble metal    | lead           | 7439-92-1             | 1.393       | 3.63                | 3.81    | 36307                    | 38017     |
| heat sink clip       | inorganic material | phosphorus     | 7723-14-0             | 0.002       |                     |         | 49                       |           |
|                      | non noble metal    | zinc           | 7440-66-6             | 0.008       | 0.02                |         | 197                      |           |
|                      | non noble metal    | iron           | 7439-89-6             | 0.151       | 0.39                |         | 3933                     |           |
|                      | non noble metal    | copper         | 7440-50-8             | 6.127       | 15.97               | 16.38   | 159687                   | 163866    |
| heatspreader         | inorganic material | phosphorus     | 7723-14-0             | 0.001       |                     |         | 28                       |           |
|                      | non noble metal    | zinc           | 7440-66-6             | 0.004       | 0.01                |         | 112                      |           |
|                      | non noble metal    | iron           | 7439-89-6             | 0.086       | 0.22                |         | 2247                     |           |
|                      | non noble metal    | copper         | 7440-50-8             | 3.501       | 9.12                | 9.35    | 91248                    | 93635     |
| *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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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