



Material Content Data Sheet

| Umbrella Spec | | Easy1 B-Series with only SiC switches / SiC diodes + NTC | | | | | |
|--|--------------------|--|--------------------------|-------------------------|-----------------------|--------|---|
| Date | | 25.04.2022 | | | RoHS compliant | | |
| Revision | | 1.0 | | | Yes | | |
| Construction element | Material group | Materials | CAS-Nr. if applicable | Average mass [%]* | Sum [%] | Traces | Comment |
| chip | inorganic material | silicon carbide | 409-21-2 | 1 | 1 | | |
| substrate including metallisation | non noble metal | copper | 7440-50-8 | 21,9 | 32,9 | | |
| | inorganic material | aluminium oxid | 1344-28-1 | 9 | | | |
| | non noble metal | tin | 7440-31-5 | 1 | | | |
| | noble metal | silver | 7440-22-4 | 1 | | | |
| | non noble metal | magnesium | 7439-95-4 | | | X | |
| | non noble metal | cobalt | 7440-48-4 | | | X | |
| wire | non noble metal | aluminium | 7429-90-5 | | | X | |
| encapsulation | polymers | silicone gel | | 16 | 16 | | |
| housing | polymers | PBT | | 22,9 | 40 | | |
| | inorganic material | antimonytrioxide | 1309-64-4 | 2,4 | | | |
| | plastics | brominated resin | | 1,6 | | | |
| | plastics | chlorinated resin | | 1,1 | | | |
| | inorganic material | silicondioxide / glasfiber | | 12 | | | |
| clamp | ferrous metal | X12CrNi17-7(1.4310) | | 5 | 9,9 | | |
| lead, finish and plating | non noble metal | tin | 7440-31-5 | | | X | |
| | non noble metal | copper | 7440-50-8 | 4,9 | | | |
| | non noble metal | zinc | 7440-66-6 | | | X | |
| | non noble metal | nickel | 7440-02-0 | | | X | |
| SMD (including thermistors, resistors and shunts) | inorganic material | lead oxide | 1317-36-8 | 0,2 | 0,2 | | RoHS compliant; according to exception 7c.I |
| | non noble metal | copper | 7440-50-8 | | | X | |
| | non noble metal | tin | 7440-31-5 | | | X | |
| | noble metal | silver | 7440-22-4 | | | X | |
| deviation | <25% | Sum in total | | | 100 | | |

| | |
|--------------------------------|---------------|
| Weight range of product family | 22,0 g |
| ** | |
| Fluctuation margin | <25% |

*) related to component weight

**) Weight of particular product, see technical product information

| Important Remarks: |
|---|
| <p>1) This document provides full declaration of all materials present in Infineon products above a threshold of 0,1 % b.w. (1000 ppm).</p> <p>2) Trace concentrations (i.e. < 0,1 % b.w) present in products are marked with an "X" as far as they represent substances-of-concern.</p> <p>A list of substances-of-concern can be found at http://www.infineon.com/soc.</p> <p>3) All statements are based on our present knowledge and are subject to change at any time due to technical requirements and development.</p> <p>4) Infineon products are not classified as "hazardous substances" according to the definition in the EU Directive 67/548/EC and do therefore not require Material Safety Data Sheets.</p> |

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