



Material Content Data Sheet

| Umbrella Spec | | IH7B-IHM B 190 AI PI | | | | | |
|---|-----------------------|----------------------------|----------------------------------|------------------------------|----------------|---------------|---|
| Date | | 2017-03-01 | | RoHS compliant | | YES | |
| Revision | | 8.0 | | | | | |
| Construction element | Material group | Materials | CAS-Nr. if applicable | Average mass [%]* | Sum [%] | Traces | Comment |
| chip | inorganic material | silicon | 7440-21-3 | 0,6 | 0,6 | | |
| Base plate and substrate including metallisation | non noble metal | aluminium | 7429-90-5 | 10,0 | 46,2 | | |
| | inorganic material | silicon carbide | 409-21-2 | 22,8 | | | |
| | inorganic material | aluminium nitride | | 5,4 | | | |
| | non noble metal | copper | 7440-50-8 | 4,1 | | | |
| | non noble metal | tin | 7440-31-5 | 2,8 | | | |
| | non noble metal | lead | 7439-92-1 | 0,7 | | | RoHS compliant; according to exception 7a. |
| | noble metal | silver | 7440-22-4 | 0,4 | | | |
| | non noble metal | nickel | 7440-02-0 | | | | X |
| | non noble metal | zinc | 7440-66-6 | | | | X |
| | polymers | acrylic compounds | | | | | X |
| wire | non noble metal | aluminium | 7429-90-5 | | | | X |
| encapsulation | polymers | silicone gel | | 18,5 | 18,5 | | |
| housing | polymers | Polyamid (PA) | | 12,4 | 17,9 | | Containing no halogenated compounds or diantimony trioxide classifications: DIN EN 45545: R24: HL3 R23: HL3 R22: HL3 |
| | inorganic material | phosphorus | | 0,2 | | | |
| | inorganic material | silicondioxide / glasfiber | | 5,4 | | | |
| lead, finish and plating | non noble metal | copper | 7440-50-8 | 12,4 | 16,8 | | |
| | ferrous metal | steel | 11121-90-7 | 4,4 | | | |
| | non noble metal | zinc | 7440-66-6 | | | | X |
| | non noble metal | nickel | 7440-02-0 | | | | X |
| | polymers | polyamidomide | | | | | X |
| deviation | <25% | | | Sum in total | 100,0 | | |

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| Weight range of product family ** / gram | 1151 |
| Fluctuation margin | <25% |

*) related to component weight

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

| Important Remarks: |
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| 1) This document provides full declaration of all materials present in Infineon products above a threshold of 0,1 % b.w. (1000 ppm). |
| 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. A list of substances-of-concern can be found at http://www.infineon.com/soc . |
| 3) All statements are based on our present knowledge and are subject to change at any time due to technical requirements and development. |
| 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. |

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