

## Full Material Declaration for attached parts list

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## Diotec Semiconductor AG

DUNS-Nummer: 330866844

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Declarations Autorisiert durch:

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## Materialien und Stoffe

| Verwendung/Andordnung | Material group                                  | % w/w des Materials im Artikel | Substances in the material    | CAS Number | % w/w des Stoffs im Artikel |
|-----------------------|-------------------------------------------------|--------------------------------|-------------------------------|------------|-----------------------------|
| Chip (die)            | Other inorganic materials                       | 0.20000%                       | Nickel                        | 7440-02-0  | 1.00000%                    |
|                       |                                                 |                                | Gold                          | 7440-57-5  | 11.50000%                   |
|                       |                                                 |                                | Polydimethyl siloxane         | 63148-62-9 | 25.00000%                   |
|                       |                                                 |                                | Silicon                       | 7440-21-3  | 62.50000%                   |
| Die attach            | Lead and Lead alloys                            | 1.30000%                       | Silver                        | 7440-22-4  | 2.50000%                    |
|                       |                                                 |                                | Tin                           | 7440-31-5  | 5.00000%                    |
|                       |                                                 |                                | Lead                          | 7439-92-1  | 92.50000%                   |
| Encapsulation         | EP (Epoxy resin)                                | 15.00000%                      | Carbon black                  | 1333-86-4  | 0.30000%                    |
|                       |                                                 |                                | ANTIMONY TRIOXIDE             | 1309-64-4  | 0.80000%                    |
|                       |                                                 |                                | Tetrabromobisphenol A (TBBPA) | 79-94-7    | 0.99000%                    |
|                       |                                                 |                                | Epoxy resin 89                | 26335-32-0 | 27.61000%                   |
|                       |                                                 |                                | Quartz sand                   | 60676-86-0 | 70.30000%                   |
| Leadfinish            | Tin plating                                     | 9.00000%                       | Copper                        | 7440-50-8  | 0.80000%                    |
|                       |                                                 |                                | Silver                        | 7440-22-4  | 3.70000%                    |
|                       |                                                 |                                | Tin                           | 7440-31-5  | 95.50000%                   |
| Leadframe             | Copper (e.g. copper amounts in cable harnesses) | 74.50000%                      | Nickel                        | 7440-02-0  | 0.40000%                    |
|                       |                                                 |                                | Copper                        | 7440-50-8  | 99.60000%                   |

**Beigefügte Artikelliste**

| <b>Part number</b>        | <b>Artikelbezeichnung</b> | <b>Artikelmasse</b> | <b>Artikelmasse<br/>UoM</b> |
|---------------------------|---------------------------|---------------------|-----------------------------|
| DO-213AA/MiniMelf Plastic | Diode SMD                 | 0.04                | g                           |