



## Material Content Data Sheet



| <b>Sales Product Name</b> | TLE7250VLE         |                |                       | <b>Issued</b>  | 28. September 2015     |            |                          |              |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|------------|--------------------------|--------------|
| <b>MA#</b>                | MA001335652        |                |                       |                |                        |            |                          |              |
| <b>Package</b>            | PG-TSON-8-1        |                |                       | <b>Weight*</b> | 27.05 mg               |            |                          |              |
| Construction Element      | Material Group     | Substances     | CAS#<br>if applicable | Weight<br>[mg] | Average<br>Mass<br>[%] | Sum<br>[%] | Average<br>Mass<br>[ppm] | Sum<br>[ppm] |
| chip                      | inorganic material | silicon        | 7440-21-3             | 1.493          | 5.52                   | 5.52       | 55184                    | 55184        |
| leadframe                 | inorganic material | phosphorus     | 7723-14-0             | 0.003          | 0.01                   |            | 109                      |              |
|                           | non noble metal    | zinc           | 7440-66-6             | 0.012          | 0.04                   |            | 436                      |              |
|                           | non noble metal    | iron           | 7439-89-6             | 0.236          | 0.87                   |            | 8728                     |              |
| wire                      | non noble metal    | copper         | 7440-50-8             | 9.586          | 35.44                  | 36.36      | 354409                   | 363682       |
|                           | non noble metal    | copper         | 7440-50-8             | 0.035          | 0.13                   | 0.13       | 1305                     | 1305         |
|                           | organic material   | carbon black   | 1333-86-4             | 0.029          | 0.11                   |            | 1082                     |              |
| encapsulation             | plastics           | epoxy resin    | -                     | 1.507          | 5.57                   |            | 55704                    |              |
|                           | inorganic material | silicondioxide | 60676-86-0            | 13.092         | 48.41                  | 54.09      | 484034                   | 540820       |
| leadfinish                | non noble metal    | tin            | 7440-31-5             | 0.387          | 1.43                   | 1.43       | 14307                    | 14307        |
| plating                   | noble metal        | silver         | 7440-22-4             | 0.043          | 0.16                   | 0.16       | 1607                     | 1607         |
| glue                      | plastics           | epoxy resin    | -                     | 0.156          | 0.58                   |            | 5774                     |              |
|                           | noble metal        | silver         | 7440-22-4             | 0.468          | 1.73                   | 2.31       | 17321                    | 23095        |
| *deviation                | < 10%              |                |                       | Sum in total:  |                        | 100.00     |                          | 1000000      |

### Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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