



## Material Content Data Sheet



Halogen-Free

|                           |             |                |              |
|---------------------------|-------------|----------------|--------------|
| <b>Sales Product Name</b> | TLE7251VSJ  | <b>Issued</b>  | 15. May 2021 |
| <b>MA#</b>                | MA005260070 |                |              |
| <b>Package</b>            | PG-DSO-8-64 | <b>Weight*</b> | 81.52 mg     |

| Construction Element | Material Group     | Substances     | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
|----------------------|--------------------|----------------|--------------------|-------------|------------------|---------|--------------------|-----------|
| chip                 | inorganic material | silicon        | 7440-21-3          | 1.493       | 1.83             | 1.83    | 18310              | 18310     |
| leadframe            | inorganic material | phosphorus     | 7723-14-0          | 0.009       | 0.01             |         | 107                |           |
|                      | non noble metal    | zinc           | 7440-66-6          | 0.035       | 0.04             |         | 427                |           |
|                      | non noble metal    | iron           | 7439-89-6          | 0.696       | 0.85             |         | 8535               |           |
|                      | non noble metal    | copper         | 7440-50-8          | 28.249      | 34.65            | 35.55   | 346538             | 355607    |
| wires                | noble metal        | palladium      | 7440-05-3          | 0.001       |                  |         | 10                 |           |
|                      | non noble metal    | copper         | 7440-50-8          | 0.079       | 0.10             | 0.10    | 969                | 979       |
| encapsulation        | organic material   | carbon black   | 1333-86-4          | 0.145       | 0.18             |         | 1781               |           |
|                      | plastics           | epoxy resin    | -                  | 5.661       | 6.94             |         | 69450              |           |
|                      | inorganic material | silicondioxide | 60676-86-0         | 42.581      | 52.25            | 59.37   | 522361             | 593592    |
| leadfinish           | noble metal        | palladium      | 7440-05-3          | 0.014       | 0.02             |         | 166                |           |
|                      | noble metal        | gold           | 7440-57-5          | 0.022       | 0.03             |         | 267                |           |
|                      | non noble metal    | nickel         | 7440-02-0          | 0.477       | 0.59             | 0.64    | 5857               | 6290      |
| plating              | noble metal        | palladium      | 7440-05-3          | 0.038       | 0.05             |         | 464                |           |
|                      | noble metal        | gold           | 7440-57-5          | 0.061       | 0.07             |         | 747                |           |
|                      | non noble metal    | nickel         | 7440-02-0          | 1.333       | 1.63             | 1.75    | 16348              | 17559     |
| glue                 | plastics           | epoxy resin    | -                  | 0.156       | 0.19             |         | 1916               |           |
|                      | noble metal        | silver         | 7440-22-4          | 0.468       | 0.57             | 0.76    | 5747               | 7663      |
| *deviation           | < 10%              | Sum in total:  |                    |             |                  | 100.00  |                    | 1000000   |

### Important Remarks:

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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 does not use any exemption.

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