



Material Content Data Sheet



Halogen-Free

| | | | |
|---------------------------|--------------|----------------|---------------|
| Sales Product Name | TLE9252VSK | Issued | 10. June 2021 |
| MA# | MA005424646 | | |
| Package | PG-DSO-14-63 | Weight* | 142.76 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 | 1.340 | 0.94 | 0.94 | 9384 | 9384 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.016 | 0.01 | | 109 | |
| | non noble metal | zinc | 7440-66-6 | 0.062 | 0.04 | | 435 | |
| | non noble metal | iron | 7439-89-6 | 1.243 | 0.87 | | 8708 | |
| | non noble metal | copper | 7440-50-8 | 50.479 | 35.36 | 36.28 | 353596 | 362848 |
| wires | noble metal | palladium | 7440-05-3 | 0.002 | | | 17 | |
| | non noble metal | copper | 7440-50-8 | 0.095 | 0.07 | 0.07 | 666 | 683 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.256 | 0.18 | | 1796 | |
| | plastics | epoxy resin | - | 9.998 | 7.00 | | 70034 | |
| | inorganic material | silicondioxide | 60676-86-0 | 75.198 | 52.68 | 59.86 | 526748 | 598578 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.020 | 0.01 | | 143 | |
| | noble metal | gold | 7440-57-5 | 0.033 | 0.02 | | 230 | |
| | non noble metal | nickel | 7440-02-0 | 0.719 | 0.50 | 0.53 | 5039 | 5412 |
| plating | noble metal | palladium | 7440-05-3 | 0.068 | 0.05 | | 476 | |
| | noble metal | gold | 7440-57-5 | 0.109 | 0.08 | | 765 | |
| | non noble metal | nickel | 7440-02-0 | 2.392 | 1.68 | 1.81 | 16755 | 17996 |
| glue | plastics | epoxy resin | - | 0.182 | 0.13 | | 1275 | |
| | noble metal | silver | 7440-22-4 | 0.546 | 0.38 | 0.51 | 3824 | 5099 |
| *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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