



Material Content Data Sheet



Halogen-Free

Sales Product Name TLE9461ES V33

Issued

06. April 2021

MA# MA002361638

Package PG-TSDSO-24-1

Weight*

109.75 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 | 1.843 | 1.68 | 1.68 | 16794 | 16794 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.016 | 0.01 | | 142 | |
| | non noble metal | zinc | 7440-66-6 | 0.062 | 0.06 | | 567 | |
| | non noble metal | iron | 7439-89-6 | 1.244 | 1.13 | | 11334 | |
| | non noble metal | copper | 7440-50-8 | 50.505 | 46.03 | 47.23 | 460199 | 472242 |
| wire | non noble metal | copper | 7440-50-8 | 0.354 | 0.32 | 0.32 | 3227 | 3227 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.156 | 0.14 | | 1425 | |
| | plastics | epoxy resin | - | 6.097 | 5.56 | | 55559 | |
| | inorganic material | silicondioxide | 60676-86-0 | 45.860 | 41.79 | 47.49 | 417877 | 474861 |
| leadfinish | non noble metal | tin | 7440-31-5 | 2.759 | 2.51 | 2.51 | 25143 | 25143 |
| plating | noble metal | silver | 7440-22-4 | 0.178 | 0.16 | 0.16 | 1622 | 1622 |
| glue | plastics | epoxy resin | - | 0.168 | 0.15 | | 1528 | |
| | noble metal | silver | 7440-22-4 | 0.503 | 0.46 | 0.61 | 4583 | 6111 |
| *deviation | < 10% | Sum in total: | | | | 100.00 | | 1000000 |

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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