



Material Content Data Sheet



| Sales Product Name | | TLE4276-2DV | | Issued | | 29. August 2013 | | | |
|---------------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|---------|
| MA# | | MA000723212 | | | | | | | |
| Package | | PG-TO252-5-11 | | Weight* | | 366.05 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 | 3.304 | 0.90 | 0.90 | 9025 | 9025 | |
| leadframe | non noble metal | iron | 7439-89-6 | 0.205 | 0.06 | | 559 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.061 | 0.02 | | 168 | | |
| | non noble metal | copper | 7440-50-8 | 204.243 | 55.79 | 55.87 | 557967 | 558694 | |
| wire | non noble metal | aluminium | 7429-90-5 | 0.168 | 0.05 | 0.05 | 460 | 460 | |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.296 | 0.08 | | 809 | | |
| | plastics | epoxy resin | - | 13.620 | 3.72 | | 37207 | | |
| | inorganic material | silicondioxide | 60676-86-0 | 134.124 | 36.64 | 40.44 | 366413 | 404429 | |
| leadfinish | non noble metal | tin | 7440-31-5 | 5.072 | 1.39 | 1.39 | 13857 | 13857 | |
| plating | non noble metal | nickel | 7440-02-0 | 0.076 | 0.02 | | 208 | | |
| | inorganic material | phosphorus | 7723-14-0 | 0.000 | 0.00 | 0.02 | 1 | 209 | |
| solder | noble metal | silver | 7440-22-4 | 0.122 | 0.03 | | 333 | | |
| | non noble metal | tin | 7440-31-5 | 0.098 | 0.03 | | 267 | | |
| | non noble metal | lead | 7439-92-1 | 4.658 | 1.27 | 1.33 | 12726 | 13326 | |
| *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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