



Material Content Data Sheet



Halogen-Free

| | | | |
|---------------------------|--------------|----------------|-------------------|
| Sales Product Name | KP236 | Issued | 24. February 2022 |
| MA# | MA005701786 | | |
| Package | PG-DSOF-8-16 | Weight* | 228.48 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 | 12.745 | 5.58 | 5.58 | 55781 | 55781 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.009 | | | 40 | |
| | non noble metal | zinc | 7440-66-6 | 0.037 | 0.02 | | 162 | |
| | non noble metal | iron | 7439-89-6 | 0.740 | 0.32 | | 3237 | |
| | non noble metal | copper | 7440-50-8 | 30.034 | 13.14 | 13.48 | 131449 | 134888 |
| wire | noble metal | gold | 7440-57-5 | 0.167 | 0.07 | 0.07 | 733 | 733 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.588 | 0.26 | | 2572 | |
| | plastics | epoxy resin | - | 21.305 | 9.32 | | 93244 | |
| | inorganic material | silicondioxide | 60676-86-0 | 125.036 | 54.74 | 64.32 | 547249 | 643065 |
| leadfinish | inorganic material | phosphorus | 7723-14-0 | 0.000 | | | 2 | |
| | noble metal | gold | 7440-57-5 | 0.015 | 0.01 | | 66 | |
| | noble metal | palladium | 7440-05-3 | 0.015 | 0.01 | | 67 | |
| | non noble metal | nickel | 7440-02-0 | 0.149 | 0.06 | 0.08 | 650 | 785 |
| lid | inorganic material | glass fibre | - | 8.401 | 3.68 | | 36768 | |
| | plastics | Polyphenylene Sulfide | 26125-40-6 | 8.401 | 3.68 | 7.36 | 36768 | 73536 |
| glue | organic material | carbon black | 1333-86-4 | 0.005 | | | 21 | |
| | inorganic material | titandioxide | 13463-67-7 | 0.025 | 0.01 | | 109 | |
| | inorganic material | alumina | 1344-28-1 | 0.137 | 0.06 | | 597 | |
| | plastics | epoxy resin | - | 0.500 | 0.22 | | 2190 | |
| | inorganic material | silicondioxide | 60676-86-0 | 0.935 | 0.41 | | 4093 | |
| | plastics | silicone resin | - | 1.861 | 0.81 | 1.51 | 8147 | 15157 |
| gel | plastics | silicone resin | - | 17.371 | 7.60 | 7.60 | 76029 | 76029 |
| adhesion promoter | inorganic material | chromiumoxide | 1308-38-9 | 0.003 | | | 13 | |
| | inorganic material | zincoxide | 1314-13-2 | 0.003 | | | 13 | 26 |
| *deviation | < 10% | Sum in total: | | | | 100.00 | | 1000000 |

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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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