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Material Content Data Sheet



| Sales Product Name | | BFR 181 E6327 | | Issued | | 20. July 2018 | | |
|---------------------------|--------------------|------------------|--------------------|----------------|------------------|---------------|--------------------|-----------|
| MA# | | MA000516506 | | | | | | |
| Package | | PG-SOT23-3-11 | | Weight* | | 8.79 mg | | |
| Construction Element | Material Group | Substances | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
| chip | noble metal | gold | 7440-57-5 | 0.003 | 0.03 | | 293 | |
| | inorganic material | silicon | 7440-21-3 | 0.013 | 0.15 | 0.18 | 1523 | 1816 |
| leadframe | non noble metal | chromium | 7440-47-3 | 0.008 | 0.09 | | 927 | |
| | inorganic material | silicon | 7440-21-3 | 0.001 | 0.01 | | 62 | |
| | non noble metal | titanium | 7440-32-6 | 0.003 | 0.03 | | 309 | |
| wire | non noble metal | copper | 7440-50-8 | 2.704 | 30.76 | 30.89 | 307553 | 308851 |
| | noble metal | gold | 7440-57-5 | 0.008 | 0.10 | 0.10 | 965 | 965 |
| | encapsulation | organic material | carbon black | 1333-86-4 | 0.058 | 0.66 | | 6600 |
| encapsulation | plastics | brominated resin | - | 0.087 | 0.99 | | 9900 | |
| | inorganic material | antimonytrioxide | 1309-64-4 | 0.116 | 1.32 | | 13200 | |
| | plastics | epoxy resin | - | 1.248 | 14.19 | | 141896 | |
| | inorganic material | silicondioxide | 60676-86-0 | 4.294 | 48.83 | 65.99 | 488387 | 659983 |
| leadfinish | non noble metal | tin | 7440-31-5 | 0.152 | 1.72 | 1.72 | 17231 | 17231 |
| plating | noble metal | silver | 7440-22-4 | 0.098 | 1.12 | 1.12 | 11154 | 11154 |
| *deviation | < 10% | | Sum in total: | | | 100.00 | | 1000000 |

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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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