

# Material Content Data Sheet

RoHS | Halogen-Free

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|---|---|---|---|
| **Sales Product Name** | IPI60R125CP | **Issued** | 16. May 2021 |
| **MA#** | MA005402962 | | |
| **Package** | PG-TO262-3-22 | **Weight*** | 1577.68 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 | 13.508 | 0.86 | 0.86 | 8562 | 8562 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.255 | 0.02 | | 162 | |
| | non noble metal | iron | 7439-89-6 | 0.851 | 0.05 | | 539 | |
| | non noble metal | copper | 7440-50-8 | 849.682 | 53.86 | 53.93 | 538564 | 539265 |
| wire | non noble metal | aluminium | 7429-90-5 | 3.283 | 0.21 | 0.21 | 2081 | 2081 |
| encapsulation | organic material | carbon black | 1333-86-4 | 2.906 | 0.18 | | 1842 | |
| | miscellaneous | miscellaneous | - | 2.906 | 0.18 | | 1842 | |
| | organic material | phenol formaldehyde resin | 9003-35-4 | 34.869 | 2.21 | | 22101 | |
| | inorganic material | silicondioxide | 14808-60-7 | 46.492 | 2.95 | | 29468 | |
| | non noble metal | metal hydroxide | - | 46.492 | 2.95 | | 29468 | |
| | plastics | epoxy resin | 29690-82-2 | 69.737 | 4.42 | | 44203 | |
| | inorganic material | silicondioxide | 60676-86-0 | 377.744 | 23.94 | 36.83 | 239431 | 368355 |
| leadfinish | non noble metal | tin | 7440-31-5 | 15.198 | 0.96 | 0.96 | 9633 | 9633 |
| plating | non noble metal | nickel | 7440-02-0 | 1.651 | 0.10 | 0.10 | 1046 | 1046 |
| solder | non noble metal | antimony | 7440-36-0 | 0.576 | 0.04 | | 365 | |
| | noble metal | silver | 7440-22-4 | 1.440 | 0.09 | | 913 | |
| | non noble metal | tin | 7440-31-5 | 3.743 | 0.24 | 0.37 | 2373 | 3651 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.032 | | | 20 | |
| | non noble metal | iron | 7439-89-6 | 0.106 | 0.01 | | 67 | |
| | non noble metal | copper | 7440-50-8 | 106.210 | 6.73 | 6.74 | 67320 | 67407 |
| *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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