

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | IPI70R950CE | **Issued** | 05. April 2021 |
| **MA#** | MA001809710 | | |
| **Package** | PG-TO262-3-22 | **Weight*** | 1562.73 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 | 2.509 | 0.16 | 0.16 | 1606 | 1606 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.255 | 0.02 | | 163 | |
| | non noble metal | iron | 7439-89-6 | 0.851 | 0.05 | | 544 | |
| | non noble metal | copper | 7440-50-8 | 849.682 | 54.38 | 54.45 | 543717 | 544424 |
| wire | non noble metal | aluminium | 7429-90-5 | 0.692 | 0.04 | 0.04 | 443 | 443 |
| encapsulation | organic material | carbon black | 1333-86-4 | 2.335 | 0.15 | | 1494 | |
| | plastics | epoxy resin | - | 67.717 | 4.33 | | 43333 | |
| | inorganic material | silicondioxide | 60676-86-0 | 513.716 | 32.87 | 37.35 | 328730 | 373557 |
| leadfinish | non noble metal | tin | 7440-31-5 | 15.198 | 0.97 | 0.97 | 9725 | 9725 |
| plating | non noble metal | nickel | 7440-02-0 | 1.651 | 0.11 | 0.11 | 1056 | 1056 |
| solder | non noble metal | antimony | 7440-36-0 | 0.178 | 0.01 | | 114 | |
| | noble metal | silver | 7440-22-4 | 0.444 | 0.03 | | 284 | |
| | non noble metal | tin | 7440-31-5 | 1.155 | 0.07 | 0.11 | 739 | 1137 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.032 | | | 20 | |
| | non noble metal | iron | 7439-89-6 | 0.106 | 0.01 | | 68 | |
| | non noble metal | copper | 7440-50-8 | 106.210 | 6.80 | 6.81 | 67964 | 68052 |
| *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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