



Material Content Data Sheet



Halogen-Free

Sales Product Name IPW65R035CFD7A

Issued

17. February 2022

MA# MA005342274

Package PG-TO247-3-41

Weight*

6058.75 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 | 21.570 | 0.36 | 0.36 | 3560 | 3560 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.159 | | | 26 | |
| | non noble metal | iron | 7439-89-6 | 0.530 | 0.01 | | 87 | |
| | non noble metal | copper | 7440-50-8 | 529.068 | 8.73 | 8.74 | 87323 | 87436 |
| wire | non noble metal | aluminium | 7429-90-5 | 17.487 | 0.29 | 0.29 | 2886 | 2886 |
| encapsulation | organic material | carbon black | 1333-86-4 | 19.782 | 0.33 | | 3265 | |
| | plastics | epoxy resin | - | 375.855 | 6.20 | | 62035 | |
| | inorganic material | silicondioxide | 60676-86-0 | 1,582.548 | 26.12 | 32.65 | 261201 | 326501 |
| leadfinish | non noble metal | tin | 7440-31-5 | 31.874 | 0.53 | 0.53 | 5261 | 5261 |
| plating | non noble metal | nickel | 7440-02-0 | 29.065 | 0.48 | 0.48 | 4797 | 4797 |
| solder | non noble metal | antimony | 7440-36-0 | 0.833 | 0.01 | | 138 | |
| | noble metal | silver | 7440-22-4 | 2.083 | 0.03 | | 344 | |
| | non noble metal | tin | 7440-31-5 | 5.417 | 0.09 | 0.13 | 894 | 1376 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 1.033 | 0.02 | | 170 | |
| | non noble metal | iron | 7439-89-6 | 3.442 | 0.06 | | 568 | |
| | non noble metal | copper | 7440-50-8 | 3,438.006 | 56.74 | 56.82 | 567445 | 568183 |
| *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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