



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPD80R1K4P7

**Issued**

14. February 2022

**MA#** MA005621186

**Package** PG-TO252-3-342

**Weight\***

333.73 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	1.500	0.45	0.45	4493	4493
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		144	
	non noble metal	iron	7439-89-6	0.160	0.05		480	
	non noble metal	copper	7440-50-8	160.096	47.98	48.04	479720	480344
wire	non noble metal	aluminium	7429-90-5	0.545	0.16	0.16	1633	1633
encapsulation	organic material	carbon black	1333-86-4	1.169	0.35		3502	
	plastics	epoxy resin	-	16.361	4.90		49026	
	inorganic material	silicon dioxide	60676-86-0	128.554	38.52	43.77	385208	437736
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11207	11207
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1569	1569
solder	non noble metal	tin	7440-31-5	0.037	0.01		110	
	noble metal	silver	7440-22-4	0.046	0.01		137	
	non noble metal	lead	7439-92-1	1.746	0.52	0.54	5232	5479
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			17	
	non noble metal	iron	7439-89-6	0.019	0.01		58	
	non noble metal	copper	7440-50-8	19.177	5.75	5.76	57464	57539
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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