



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPD60R280CFD7

**Issued**

17. February 2022

**MA#** MA005620310

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

**Weight\***

334.87 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	2.932	0.88	0.88	8756	8756
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		144	
	non noble metal	iron	7439-89-6	0.160	0.05		479	
	non noble metal	copper	7440-50-8	160.096	47.80	47.86	478090	478713
wire	non noble metal	aluminium	7429-90-5	1.204	0.36	0.36	3596	3596
encapsulation	organic material	carbon black	1333-86-4	1.153	0.34		3444	
	plastics	epoxy resin	-	16.148	4.82		48222	
	inorganic material	silicon dioxide	60676-86-0	126.876	37.89	43.05	378886	430552
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11169	11169
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1563	1563
solder	non noble metal	tin	7440-31-5	0.056	0.02		166	
	noble metal	silver	7440-22-4	0.070	0.02		208	
	non noble metal	lead	7439-92-1	2.657	0.79	0.83	7934	8308
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			17	
	non noble metal	iron	7439-89-6	0.019	0.01		57	
	non noble metal	copper	7440-50-8	19.177	5.73	5.74	57269	57343
*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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