

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD60R280CFD7	**Issued**	19. September 2019
MA#	MA005402068		
Package	PG-TO252-3-342	**Weight***	334.84 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	8757	8757
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	478128	478751
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		3445	
	plastics	epoxy resin	-	16.148	4.82		48226	
	inorganic material	silicondioxide	60676-86-0	126.876	37.89	43.05	378916	430587
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11170	11170
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1563	1563
solder	non noble metal	tin	7440-31-5	0.055	0.02		165	
	noble metal	silver	7440-22-4	0.069	0.02		206	
	non noble metal	lead	7439-92-1	2.631	0.79	0.83	7857	8228
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		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	57274	57348
*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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