

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD60R170CFD7	**Issued**	12. April 2021
MA#	MA005401566		
Package	PG-TO252-3-342	**Weight***	335.78 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	4.363	1.30	1.30	12994	12994
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		143	
	non noble metal	iron	7439-89-6	0.160	0.05		477	
	non noble metal	copper	7440-50-8	160.096	47.68	47.74	476792	477412
wire	non noble metal	aluminium	7429-90-5	1.233	0.37	0.37	3673	3673
encapsulation	organic material	carbon black	1333-86-4	1.142	0.34		3401	
	plastics	epoxy resin	-	15.989	4.76		47617	
	inorganic material	silicondioxide	60676-86-0	125.626	37.41	42.51	374135	425153
leadfinish	non noble metal	tin	7440-31-5	3.740	1.11	1.11	11138	11138
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1559	1559
solder	non noble metal	tin	7440-31-5	0.073	0.02		218	
	noble metal	silver	7440-22-4	0.091	0.03		272	
	non noble metal	lead	7439-92-1	3.490	1.04	1.09	10393	10883
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	5.71	5.72	57114	57188
*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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