

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD60R170CFD7	**Issued**	19. September 2019
MA#	MA005401565		
Package	PG-TO252-3-341	**Weight***	389.80 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	1.12	1.12	11193	11193
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		176	
	non noble metal	iron	7439-89-6	0.229	0.06		588	
	non noble metal	copper	7440-50-8	228.946	58.73	58.81	587340	588104
wire	non noble metal	aluminium	7429-90-5	1.907	0.49	0.49	4893	4893
encapsulation	organic material	carbon black	1333-86-4	0.382	0.10		979	
	plastics	epoxy resin	-	11.577	2.97		29699	
	inorganic material	silicondioxide	60676-86-0	115.259	29.57	32.64	295687	326365
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9595	9595
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1305	1305
solder	non noble metal	tin	7440-31-5	0.072	0.02		186	
	noble metal	silver	7440-22-4	0.090	0.02		232	
	non noble metal	lead	7439-92-1	3.456	0.89	0.93	8865	9283
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		15	
	non noble metal	iron	7439-89-6	0.019	0.00		49	
	non noble metal	copper	7440-50-8	19.177	4.92	4.92	49198	49262
*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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