



Material Content Data Sheet



Halogen-Free

Sales Product Name IPD60R170CFD7

Issued

08. April 2021

MA# MA001723830

Package PG-TO252-3-342

Weight*

335.74 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	12995	12995
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	476842	477462
wire	non noble metal	aluminium	7429-90-5	1.233	0.37	0.37	3674	3674
encapsulation	organic material	carbon black	1333-86-4	1.142	0.34		3402	
	plastics	epoxy resin	-	15.989	4.76		47622	
	inorganic material	silicondioxide	60676-86-0	125.626	37.42	42.52	374175	425199
leadfinish	non noble metal	tin	7440-31-5	3.740	1.11	1.11	11140	11140
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1559	1559
solder	non noble metal	tin	7440-31-5	0.072	0.02		216	
	noble metal	silver	7440-22-4	0.090	0.03		269	
	non noble metal	lead	7439-92-1	3.456	1.03	1.08	10292	10777
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	57120	57194
*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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