



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD80R1K0CE	Issued	17. April 2021
MA#	MA005425249		
Package	PG-TO252-3-345	Weight*	339.41 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	4.945	1.46	1.46	14568	14568
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		170	
	non noble metal	iron	7439-89-6	0.193	0.06		568	
	non noble metal	copper	7440-50-8	192.629	56.75	56.83	567544	568282
wire	non noble metal	aluminium	7429-90-5	0.479	0.14	0.14	1412	1412
encapsulation	organic material	carbon black	1333-86-4	0.402	0.12		1185	
	plastics	epoxy resin	-	12.197	3.59		35936	
	inorganic material	silicondioxide	60676-86-0	121.432	35.78	39.49	357776	394897
leadfinish	non noble metal	tin	7440-31-5	2.562	0.75	0.75	7549	7549
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1665	1665
solder	non noble metal	tin	7440-31-5	0.079	0.02		233	
	noble metal	silver	7440-22-4	0.099	0.03		291	
	non noble metal	lead	7439-92-1	3.769	1.11	1.16	11103	11627
*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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