

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD80R1K4CE	**Issued**	17. May 2021
MA#	MA005425113		
Package	PG-TO252-3-345	**Weight***	338.78 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	3.894	1.15	1.15	11493	11493
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		171	
	non noble metal	iron	7439-89-6	0.193	0.06		569	
	non noble metal	copper	7440-50-8	192.629	56.85	56.93	568590	569330
wire	non noble metal	aluminium	7429-90-5	0.465	0.14	0.14	1372	1372
encapsulation	organic material	carbon black	1333-86-4	0.405	0.12		1196	
	plastics	epoxy resin	-	12.291	3.63		36281	
	inorganic material	silicondioxide	60676-86-0	122.374	36.12	39.87	361214	398691
leadfinish	non noble metal	tin	7440-31-5	2.562	0.76	0.76	7563	7563
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1668	1668
solder	non noble metal	tin	7440-31-5	0.067	0.02		198	
	noble metal	silver	7440-22-4	0.084	0.02		247	
	non noble metal	lead	7439-92-1	3.198	0.94	0.98	9438	9883
*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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