

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD80R1K4CE	**Issued**	10. May 2021
MA#	MA001622150		
Package	PG-TO252-3-341	**Weight***	389.08 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	1.00	1.00	10007	10007
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		177	
	non noble metal	iron	7439-89-6	0.229	0.06		589	
	non noble metal	copper	7440-50-8	228.946	58.85	58.93	588427	589193
wire	non noble metal	aluminium	7429-90-5	0.422	0.11	0.11	1085	1085
encapsulation	organic material	carbon black	1333-86-4	0.386	0.10		993	
	plastics	epoxy resin	-	11.714	3.01		30106	
	inorganic material	silicondioxide	60676-86-0	116.623	29.97	33.08	299738	330837
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9612	9612
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1308	1308
solder	non noble metal	tin	7440-31-5	0.067	0.02		172	
	noble metal	silver	7440-22-4	0.084	0.02		215	
	non noble metal	lead	7439-92-1	3.198	0.82	0.86	8218	8605
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			15	
	non noble metal	iron	7439-89-6	0.019			49	
	non noble metal	copper	7440-50-8	19.177	4.93	4.93	49289	49353
*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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