

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD50R1K4CE	**Issued**	05. April 2021
MA#	MA001816534		
Package	PG-TO252-3-344	**Weight***	321.87 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	1.378	0.43	0.43	4283	4283
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		134	
	non noble metal	iron	7439-89-6	0.144	0.04		448	
	non noble metal	copper	7440-50-8	143.904	44.74	44.79	447091	447673
wire	non noble metal	aluminium	7429-90-5	0.433	0.13	0.13	1346	1346
encapsulation	organic material	carbon black	1333-86-4	0.687	0.21		2134	
	plastics	epoxy resin	-	18.545	5.76		57616	
	inorganic material	silicondioxide	60676-86-0	118.137	36.70	42.67	367036	426786
leadfinish	non noble metal	tin	7440-31-5	3.834	1.19	1.19	11910	11910
solder	non noble metal	tin	7440-31-5	0.034	0.01		107	
	noble metal	silver	7440-22-4	0.043	0.01		134	
	non noble metal	lead	7439-92-1	1.647	0.51	0.53	5117	5358
heatspreader	inorganic material	phosphorus	7723-14-0	0.010			31	
	non noble metal	iron	7439-89-6	0.033	0.01		103	
	non noble metal	copper	7440-50-8	32.995	10.25	10.26	102510	102644
*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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