

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD65R1K5CE	**Issued**	25. June 2021
MA#	MA005557087		
Package	PG-TO252-3-344	**Weight***	322.36 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	1.898	0.59	0.59	5886	5886
leadframe	inorganic material	phosphorus	7723-14-0	0.053	0.02		165	
	non noble metal	iron	7439-89-6	0.177	0.05		549	
	non noble metal	copper	7440-50-8	176.899	54.87	54.94	548766	549480
wire	non noble metal	aluminium	7429-90-5	0.546	0.17	0.17	1694	1694
encapsulation	organic material	carbon black	1333-86-4	0.684	0.21		2122	
	plastics	epoxy resin	-	18.473	5.73		57306	
	inorganic material	silicondioxide	60676-86-0	117.681	36.51	42.45	365062	424490
leadfinish	non noble metal	tin	7440-31-5	3.834	1.19	1.19	11892	11892
solder	non noble metal	tin	7440-31-5	0.042	0.01		131	
	noble metal	silver	7440-22-4	0.053	0.02		164	
	non noble metal	lead	7439-92-1	2.019	0.63	0.66	6263	6558
*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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