

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD60R1K5CE	**Issued**	11. April 2021
MA#	MA005342334		
Package	PG-TO252-3-343	**Weight***	311.23 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	1.624	0.52	0.52	5218	5218
leadframe	inorganic material	phosphorus	7723-14-0	0.041	0.01		132	
	non noble metal	iron	7439-89-6	0.137	0.04		441	
	non noble metal	copper	7440-50-8	137.105	44.07	44.12	440531	441104
wire	non noble metal	aluminium	7429-90-5	0.444	0.14	0.14	1427	1427
encapsulation	organic material	carbon black	1333-86-4	1.331	0.43		4277	
	plastics	epoxy resin	-	25.289	8.13		81255	
	inorganic material	silicondioxide	60676-86-0	106.478	34.21	42.77	342125	427657
leadfinish	non noble metal	tin	7440-31-5	3.834	1.23	1.23	12317	12317
solder	non noble metal	tin	7440-31-5	0.038	0.01		122	
	noble metal	silver	7440-22-4	0.048	0.02		153	
	non noble metal	lead	7439-92-1	1.820	0.58	0.61	5849	6124
heatspreader	inorganic material	phosphorus	7723-14-0	0.010			32	
	non noble metal	iron	7439-89-6	0.033	0.01		106	
	non noble metal	copper	7440-50-8	32.995	10.60	10.61	106015	106153
*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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