

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD60R1K4C6	**Issued**	12. August 2021
MA#	MA005620313		
Package	PG-TO252-3-341	**Weight***	388.35 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	0.42	0.42	4182	4182
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		177	
	non noble metal	iron	7439-89-6	0.229	0.06		590	
	non noble metal	copper	7440-50-8	228.946	58.96	59.04	589532	590299
wire	non noble metal	aluminium	7429-90-5	0.506	0.13	0.13	1303	1303
encapsulation	organic material	carbon black	1333-86-4	0.395	0.10		1017	
	plastics	epoxy resin	-	11.977	3.08		30842	
	inorganic material	silicondioxide	60676-86-0	119.248	30.71	33.89	307062	338921
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9631	9631
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1310	1310
solder	non noble metal	tin	7440-31-5	0.038	0.01		98	
	noble metal	silver	7440-22-4	0.048	0.01		123	
	non noble metal	lead	7439-92-1	1.820	0.47	0.49	4687	4908
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	4.94	4.94	49382	49446
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com