

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD50R520CP	**Issued**	17. February 2022
MA#	MA005620539		
Package	PG-TO252-3-341	**Weight***	389.87 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	3.934	1.01	1.01	10091	10091
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		176	
	non noble metal	iron	7439-89-6	0.229	0.06		588	
	non noble metal	copper	7440-50-8	228.946	58.73	58.81	587238	588002
wire	non noble metal	aluminium	7429-90-5	0.523	0.13	0.13	1342	1342
encapsulation	organic material	carbon black	1333-86-4	0.388	0.10		995	
	plastics	epoxy resin	-	11.767	3.02		30183	
	inorganic material	silicondioxide	60676-86-0	117.156	30.05	33.17	300501	331679
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9593	9593
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1305	1305
solder	non noble metal	tin	7440-31-5	0.068	0.02		175	
	noble metal	silver	7440-22-4	0.085	0.02		218	
	non noble metal	lead	7439-92-1	3.252	0.83	0.87	8342	8735
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	4.92	4.92	49189	49253
*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