

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD50R520CP	**Issued**	08. April 2021
MA#	MA001729144		
Package	PG-TO252-3-341	**Weight***	389.11 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	10111	10111
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		177	
	non noble metal	iron	7439-89-6	0.229	0.06		589	
	non noble metal	copper	7440-50-8	228.946	58.84	58.92	588388	589154
wire	non noble metal	aluminium	7429-90-5	0.428	0.11	0.11	1099	1099
encapsulation	organic material	carbon black	1333-86-4	0.386	0.10		992	
	plastics	epoxy resin	-	11.710	3.01		30094	
	inorganic material	silicondioxide	60676-86-0	116.582	29.96	33.07	299614	330700
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9612	9612
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1308	1308
solder	non noble metal	tin	7440-31-5	0.067	0.02		173	
	noble metal	silver	7440-22-4	0.084	0.02		217	
	non noble metal	lead	7439-92-1	3.220	0.83	0.87	8276	8666
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	4.93	4.93	49286	49350
*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