



Material Content Data Sheet



Sales Product Name		IPA65R110CFD		Issued		4. March 2019		
MA#		MA001371776						
Package		PG-TO220-3-313		Weight*		2199.75 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	15.501	0.70	0.70	7047	7047
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		411	
	non noble metal	copper	7440-50-8	902.149	41.01	41.06	410114	410648
	non noble metal	aluminium	7429-90-5	2.966	0.13	0.13	1348	1348
wire	non noble metal	aluminium	7429-90-5	2.966	0.13	0.13	1348	1348
encapsulation	organic material	carbon black	1333-86-4	2.365	0.11		1075	
	plastics	epoxy resin	-	211.378	9.61		96092	
	inorganic material	silicondioxide	60676-86-0	903.145	41.06	50.78	410567	507734
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3581	3581
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	753	753
solder	non noble metal	antimony	7440-36-0	0.648	0.03		294	
	noble metal	silver	7440-22-4	1.619	0.07		736	
	non noble metal	tin	7440-31-5	4.210	0.19	0.29	1914	2944
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.59	6.60	65859	65945
*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 does not use any exemption

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