



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA65R045C7		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA002256740						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2199.41 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	7048	7048
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	410179	410713
	non noble metal	aluminium	7429-90-5	8.740	0.40	0.40	3974	3974
wire	organic material	carbon black	1333-86-4	2.353	0.11		1070	
encapsulation	plastics	epoxy resin	-	210.227	9.56		95583	
	inorganic material	silicondioxide	60676-86-0	898.188	40.84	50.51	408377	505030
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		295	
	noble metal	silver	7440-22-4	1.619	0.07		736	
heatspreader	non noble metal	tin	7440-31-5	4.210	0.19	0.29	1914	2945
	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	65870	65956
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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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