



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA65R045C7		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001374666					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2210.30 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	7013	7013	
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		409		
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123		
	non noble metal	copper	7440-50-8	902.149	40.82	40.87	408156	408688	
wire	non noble metal	aluminium	7429-90-5	8.782	0.40	0.40	3973	3973	
encapsulation	organic material	carbon black	1333-86-4	2.379	0.11		1076		
	plastics	epoxy resin	-	212.292	9.60		96047		
	inorganic material	silicondioxide	60676-86-0	906.831	41.03	50.74	410275	507398	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3608	3608	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	758	758	
solder	non noble metal	antimony	7440-36-0	0.648	0.03		293		
	noble metal	silver	7440-22-4	1.619	0.07		733		
	non noble metal	tin	7440-31-5	4.210	0.19	0.29	1905	2931	
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66		
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20		
	non noble metal	copper	7440-50-8	144.874	6.55	6.56	65545	65631	
*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.
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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