



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA65R190E6		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA001334344					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2213.75 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	9.459	0.43	0.43	4273	4273	
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408		
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122		
	non noble metal	copper	7440-50-8	902.149	40.75	40.80	407521	408051	
wire	non noble metal	aluminium	7429-90-5	2.891	0.13	0.13	1306	1306	
encapsulation	organic material	carbon black	1333-86-4	2.299	0.10		1038		
	plastics	epoxy resin	-	214.344	9.68		96824		
	inorganic material	silicondioxide	60676-86-0	922.291	41.67	51.45	416620	514482	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3603	3603	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	757	757	
solder	non noble metal	antimony	7440-36-0	0.442	0.02		200		
	noble metal	silver	7440-22-4	1.106	0.05		500		
	non noble metal	tin	7440-31-5	2.876	0.13	0.20	1299	1999	
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	6.54	6.55	65443	65529	
*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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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

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