



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA60R165CP		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001393574					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2208.01 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	10.313	0.47	0.47	4671	4671	
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	40.86	40.91	408580	409112	
wire	non noble metal	aluminium	7429-90-5	2.922	0.13	0.13	1323	1323	
encapsulation	organic material	carbon black	1333-86-4	2.345	0.11		1062		
	plastics	epoxy resin	-	213.701	9.68		96784		
	inorganic material	silicondioxide	60676-86-0	916.075	41.48	51.27	414886	512732	
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567	
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750	
solder	non noble metal	antimony	7440-36-0	0.474	0.02		215		
	noble metal	silver	7440-22-4	1.185	0.05		536		
	non noble metal	tin	7440-31-5	3.080	0.14	0.21	1395	2146	
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	6.56	6.57	65613	65699	
*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