



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA60R299CP		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001334330					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2208.69 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	6.215	0.28	0.28	2814	2814	
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	40.85	40.90	408456	408988	
wire	non noble metal	aluminium	7429-90-5	1.687	0.08	0.08	764	764	
encapsulation	organic material	carbon black	1333-86-4	2.327	0.11		1053		
	plastics	epoxy resin	-	214.729	9.72		97220		
	inorganic material	silicondioxide	60676-86-0	922.410	41.75	51.58	417628	515901	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3611	3611	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759	
solder	non noble metal	antimony	7440-36-0	0.328	0.01		148		
	noble metal	silver	7440-22-4	0.820	0.04		371		
	non noble metal	tin	7440-31-5	2.132	0.10	0.15	965	1484	
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	65593	65679	
*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

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