



Material Content Data Sheet



Sales Product Name				IPA057N08N3 G		Issued		25. September 2017	
MA#				MA001333872					
Package				PG-TO220-3-313		Weight*		2209.78 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	4.423	0.20	0.20	2002	2002	
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	40.83	40.88	408253	408785	
wire	non noble metal	aluminium	7429-90-5	6.510	0.29	0.29	2946	2946	
encapsulation	organic material	carbon black	1333-86-4	2.277	0.10		1030		
	plastics	epoxy resin	-	214.017	9.68		96850		
	inorganic material	silicondioxide	60676-86-0	922.095	41.73	51.51	417281	515161	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3609	3609	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759	
solder	non noble metal	antimony	7440-36-0	0.242	0.01		109		
	noble metal	silver	7440-22-4	0.604	0.03		273		
	non noble metal	tin	7440-31-5	1.570	0.07	0.11	710	1092	
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	65560	65646	
*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.
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