



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA083N10N5		<b>Issued</b>		31. July 2018	
<b>MA#</b>				MA001682902					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2208.87 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	1.555	0.07	0.07	704	704	
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123		
	non noble metal	iron	7439-89-6	0.903	0.04		409		
	non noble metal	copper	7440-50-8	902.149	40.84	40.89	408421	408953	
	non noble metal	aluminium	7429-90-5	6.652	0.30	0.30	3012	3012	
wire	non noble metal	aluminium	7429-90-5	6.652	0.30	0.30	3012	3012	
encapsulation	organic material	carbon black	1333-86-4	2.281	0.10		1033		
	plastics	epoxy resin	-	214.609	9.72		97158		
	inorganic material	silicondioxide	60676-86-0	924.748	41.87	51.69	418652	516843	
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566	
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750	
solder	non noble metal	antimony	7440-36-0	0.110	0.00		50		
	noble metal	silver	7440-22-4	0.276	0.01		125		
	non noble metal	tin	7440-31-5	0.716	0.03	0.04	324	499	
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20		
	non noble metal	iron	7439-89-6	0.145	0.01		66		
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65587	65673	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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