



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA037N08N3 G		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001333148					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2210.35 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	7.048	0.32	0.32	3189	3189	
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	40.81	40.86	408146	408678	
wire	non noble metal	aluminium	7429-90-5	10.382	0.47	0.47	4697	4697	
encapsulation	organic material	carbon black	1333-86-4	2.263	0.10		1024		
	plastics	epoxy resin	-	212.697	9.62		96228		
	inorganic material	silicondioxide	60676-86-0	916.409	41.47	51.19	414598	511850	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3608	3608	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	758	758	
solder	non noble metal	antimony	7440-36-0	0.352	0.02		159		
	noble metal	silver	7440-22-4	0.879	0.04		398		
	non noble metal	tin	7440-31-5	2.285	0.10	0.16	1034	1591	
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	6.55	6.56	65543	65629	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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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

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