



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA093N06N3 G		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001334404					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2211.91 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	2.120	0.10	0.10	958	958	
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408		
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123		
	non noble metal	copper	7440-50-8	902.149	40.79	40.84	407860	408391	
wire	non noble metal	aluminium	7429-90-5	3.682	0.17	0.17	1665	1665	
encapsulation	organic material	carbon black	1333-86-4	2.311	0.10		1045		
	plastics	epoxy resin	-	215.734	9.75		97533		
	inorganic material	silicondioxide	60676-86-0	928.489	41.97	51.82	419769	518347	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3606	3606	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	758	758	
solder	non noble metal	antimony	7440-36-0	0.153	0.01		69		
	noble metal	silver	7440-22-4	0.383	0.02		173		
	non noble metal	tin	7440-31-5	0.996	0.04	0.07	450	692	
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	65497	65583	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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