



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA028N08N3 G		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001332472						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2214.95 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	12.294	0.56	0.56	5550	5550
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.73	40.78	407300	407830
wire	non noble metal	aluminium	7429-90-5	9.935	0.45	0.45	4485	4485
encapsulation	organic material	carbon black	1333-86-4	2.348	0.11		1060	
	plastics	epoxy resin	-	213.259	9.63		96282	
	inorganic material	silicondioxide	60676-86-0	913.649	41.24	50.98	412492	509834
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3601	3601
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	757	757
solder	non noble metal	antimony	7440-36-0	0.543	0.02		245	
	noble metal	silver	7440-22-4	1.357	0.06		613	
	non noble metal	tin	7440-31-5	3.528	0.16	0.24	1593	2451
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.54	6.55	65407	65492
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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