



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA060N06N		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001692506						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2215.44 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	1.049	0.05	0.05	473	473
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		408	
	non noble metal	copper	7440-50-8	902.149	40.72	40.77	407210	407740
	non noble metal	aluminium	7429-90-5	3.152	0.14	0.14	1423	1423
wire	non noble metal	aluminium	7429-90-5	3.152	0.14	0.14	1423	1423
encapsulation	organic material	carbon black	1333-86-4	2.311	0.10		1043	
	plastics	epoxy resin	-	216.742	9.78		97832	
	inorganic material	silicondioxide	60676-86-0	933.463	42.15	52.03	421345	520220
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3556	3556
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	747	747
solder	non noble metal	antimony	7440-36-0	0.081	0.00		36	
	noble metal	silver	7440-22-4	0.201	0.01		91	
	non noble metal	tin	7440-31-5	0.524	0.02	0.03	236	363
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.54	6.55	65393	65478
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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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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