



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA057N06N3 G		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA000473310						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2243.71 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	3.393	0.15	0.15	1512	1512
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.58	30.62	305842	306240
wire	non noble metal	aluminium	7429-90-5	5.229	0.23	0.23	2331	2331
encapsulation	organic material	carbon black	1333-86-4	2.234	0.10		996	
	plastics	epoxy resin	-	207.988	9.27		92698	
	inorganic material	silicondioxide	60676-86-0	894.749	39.89	49.26	398779	492474
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3540	3540
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.208	0.01		93	
	noble metal	silver	7440-22-4	0.521	0.02		232	
	non noble metal	tin	7440-31-5	1.355	0.06	0.09	604	929
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.26	19.29	192587	192838
*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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