



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA030N10N3 G		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001386334						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2215.45 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	15.455	0.70	0.70	6976	6976
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	40.72	40.77	407209	407739
wire	non noble metal	aluminium	7429-90-5	11.706	0.53	0.53	5284	5284
encapsulation	organic material	carbon black	1333-86-4	2.361	0.11		1066	
	plastics	epoxy resin	-	212.486	9.59		95911	
	inorganic material	silicondioxide	60676-86-0	908.982	41.02	50.72	410292	507269
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3600	3600
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	757	757
solder	non noble metal	antimony	7440-36-0	0.642	0.03		290	
	noble metal	silver	7440-22-4	1.604	0.07		724	
	non noble metal	tin	7440-31-5	4.171	0.19	0.29	1883	2897
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	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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