



## Material Content Data Sheet



<b>Sales Product Name</b>		IKA08N65H5		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA001404104						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2209.15 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.642	0.03	0.03	291	291
chip_2	inorganic material	silicon	7440-21-3	0.366	0.02	0.02	166	166
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
wire	non noble metal	copper	7440-50-8	902.149	40.84	40.89	408368	408900
	non noble metal	aluminium	7429-90-5	3.076	0.14	0.14	1392	1392
encapsulation	organic material	carbon black	1333-86-4	2.289	0.10		1036	
	plastics	epoxy resin	-	215.443	9.75		97523	
	inorganic material	silicondioxide	60676-86-0	928.441	42.02	51.87	420268	518827
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.098	0.00		44	
	noble metal	silver	7440-22-4	0.244	0.01		111	
	non noble metal	tin	7440-31-5	0.635	0.03	0.04	288	443
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65579	65665
*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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