



## Material Content Data Sheet



<b>Sales Product Name</b>		IKA08N65H5		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001030830						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2242.42 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	1.019	0.05	0.05	454	454
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	30.60	30.64	306019	306417
wire	non noble metal	aluminium	7429-90-5	2.282	0.10	0.10	1018	1018
encapsulation	organic material	carbon black	1333-86-4	2.221	0.10		990	
	plastics	epoxy resin	-	208.687	9.31		93063	
	inorganic material	silicondioxide	60676-86-0	899.094	40.09	49.50	400947	495001
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3586	3586
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	0.098	0.00		44	
	noble metal	silver	7440-22-4	0.246	0.01		110	
	non noble metal	tin	7440-31-5	0.639	0.03	0.04	285	439
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	19.27	19.30	192698	192949
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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