



## Material Content Data Sheet



<b>Sales Product Name</b>		IKA08N65F5		<b>Issued</b>		1. April 2015		
<b>MA#</b>		MA001216626						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2242.64 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	0.972	0.04	0.04	433	433
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	305989	306387
wire	non noble metal	aluminium	7429-90-5	2.550	0.11	0.11	1137	1137
encapsulation	organic material	carbon black	1333-86-4	2.223	0.10		991	
	plastics	epoxy resin	-	208.717	9.31		93068	
	inorganic material	silicondioxide	60676-86-0	899.079	40.09	49.50	400901	494961
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3585	3585
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	0.096	0.00		43	
	noble metal	silver	7440-22-4	0.241	0.01		108	
	non noble metal	tin	7440-31-5	0.627	0.03	0.04	280	431
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	192679	192930
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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