



## Material Content Data Sheet



<b>Sales Product Name</b>		IKA15N65H5		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA001030846						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2239.36 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	1.079	0.05	0.05	482	482
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		307	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.64	30.68	306437	306836
wire	non noble metal	aluminium	7429-90-5	3.606	0.16	0.16	1610	1610
encapsulation	organic material	carbon black	1333-86-4	2.211	0.10		987	
	plastics	epoxy resin	-	207.826	9.28		92806	
	inorganic material	silicondioxide	60676-86-0	895.422	39.99	49.37	399855	493649
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3546	3546
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	0.118	0.01		53	
	noble metal	silver	7440-22-4	0.295	0.01		132	
	non noble metal	tin	7440-31-5	0.768	0.03	0.05	343	528
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		193	
	non noble metal	copper	7440-50-8	432.110	19.30	19.33	192962	193213
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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