



## Material Content Data Sheet



<b>Sales Product Name</b>		IKP15N65H5		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA001030836						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2030.00 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	532	532
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.16	40.21	401643	402167
wire	non noble metal	aluminium	7429-90-5	4.224	0.21	0.21	2081	2081
encapsulation	organic material	carbon black	1333-86-4	5.952	0.29		2932	
	plastics	epoxy resin	-	113.084	5.57		55706	
	inorganic material	silicondioxide	60676-86-0	476.141	23.46	29.32	234552	293190
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10573	10573
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	non noble metal	antimony	7440-36-0	0.118	0.01		58	
	noble metal	silver	7440-22-4	0.295	0.01		146	
	non noble metal	tin	7440-31-5	0.768	0.04	0.06	378	582
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.04	29.08	290377	290755
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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