



## Material Content Data Sheet



<b>Sales Product Name</b>				IKP30N65H5		<b>Issued</b>		19. January 2018	
<b>MA#</b>				MA001133706					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2031.63 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	2.478	0.12	0.12	1220	1220	
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	40.13	40.18	401320	401844	
wire	non noble metal	aluminium	7429-90-5	9.802	0.48	0.48	4825	4825	
encapsulation	organic material	carbon black	1333-86-4	5.888	0.29		2898		
	plastics	epoxy resin	-	111.881	5.51		55069		
	inorganic material	silicondioxide	60676-86-0	471.077	23.19	28.99	231871	289838	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10564	10564	
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	0.217	0.01		107		
	noble metal	silver	7440-22-4	0.541	0.03		267		
	non noble metal	tin	7440-31-5	1.408	0.07	0.11	693	1067	
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	29.01	29.05	290144	290522	
*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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