



## Material Content Data Sheet



<b>Sales Product Name</b>				IKP08N65H5		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001030828					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2029.91 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	502	502	
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	40.17	40.22	401659	402183	
wire	non noble metal	aluminium	7429-90-5	2.546	0.13	0.13	1254	1254	
encapsulation	organic material	carbon black	1333-86-4	5.968	0.29		2940		
	plastics	epoxy resin	-	113.384	5.59		55857		
	inorganic material	silicondioxide	60676-86-0	477.408	23.52	29.40	235187	293984	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10705	10705	
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	0.098	0.00		48		
	noble metal	silver	7440-22-4	0.246	0.01		121		
	non noble metal	tin	7440-31-5	0.639	0.03	0.04	315	484	
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	290390	290768	
*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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