



## Material Content Data Sheet



<b>Sales Product Name</b>				IKP08N65F5		<b>Issued</b>		25. January 2018	
<b>MA#</b>				MA001212296					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2029.62 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	0.05	0.05	479	479	
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	40.19	40.24	401717	402241	
wire	non noble metal	aluminium	7429-90-5	2.524	0.12	0.12	1243	1243	
encapsulation	organic material	carbon black	1333-86-4	5.968	0.29		2941		
	plastics	epoxy resin	-	113.396	5.59		55871		
	inorganic material	silicondioxide	60676-86-0	477.458	23.52	29.40	235245	294057	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10575	10575	
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	0.096	0.00		48		
	noble metal	silver	7440-22-4	0.241	0.01		119		
	non noble metal	tin	7440-31-5	0.627	0.03	0.04	309	476	
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	290431	290809	
*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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