



## Material Content Data Sheet



<b>Sales Product Name</b>				IGP30N65H5		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001037914					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2030.76 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	1.736	0.09	0.09	855	855	
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	40.14	40.19	401492	402016	
wire	non noble metal	aluminium	7429-90-5	5.601	0.28	0.28	2758	2758	
encapsulation	organic material	carbon black	1333-86-4	5.933	0.29		2922		
	plastics	epoxy resin	-	112.736	5.55		55514		
	inorganic material	silicondioxide	60676-86-0	474.677	23.37	29.21	233744	292180	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10701	10701	
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	0.147	0.01		72		
	noble metal	silver	7440-22-4	0.367	0.02		181		
	non noble metal	tin	7440-31-5	0.953	0.05	0.08	469	722	
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	29.03	29.07	290270	290648	
*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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