



## Material Content Data Sheet



<b>Sales Product Name</b>		IGP20N60H3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001645246						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2030.26 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	2.028	0.10	0.10	999	999
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.17	40.22	401590	402113
	non noble metal	aluminium	7429-90-5	2.897	0.14	0.14	1427	1427
wire	non noble metal	aluminium	7429-90-5	2.897	0.14	0.14	1427	1427
encapsulation	organic material	carbon black	1333-86-4	5.955	0.29		2933	
	plastics	epoxy resin	-	113.143	5.57		55728	
	inorganic material	silicondioxide	60676-86-0	476.390	23.46	29.32	234645	293306
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.151	0.01		75	
	noble metal	silver	7440-22-4	0.378	0.02		186	
	non noble metal	tin	7440-31-5	0.983	0.05	0.08	484	745
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290340	290718
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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