



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IGP30N60H3	<b>Issued</b>	06. April 2021
<b>MA#</b>	MA002162696		
<b>Package</b>	PG-TO220-3-1	<b>Weight*</b>	2031.65 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	3.012	0.15	0.15	1483	1483
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	40.13	40.18	401316	401839
wire	non noble metal	aluminium	7429-90-5	3.665	0.18	0.18	1804	1804
encapsulation	organic material	carbon black	1333-86-4	5.945	0.29		2926	
	plastics	epoxy resin	-	112.950	5.56		55595	
	inorganic material	silicondioxide	60676-86-0	475.579	23.41	29.26	234085	292606
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10564	10564
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.216	0.01		106	
	noble metal	silver	7440-22-4	0.540	0.03		266	
	non noble metal	tin	7440-31-5	1.405	0.07	0.11	692	1064
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	29.01	29.05	290141	290519
*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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