



## Material Content Data Sheet



<b>Sales Product Name</b>		IGP10N60T		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001707658						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2029.52 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	1.169	0.06	0.06	576	576
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	40.19	40.24	401736	402259
	non noble metal	aluminium	7429-90-5	1.614	0.08	0.08	795	795
wire	non noble metal	aluminium	7429-90-5	1.614	0.08	0.08	795	795
encapsulation	organic material	carbon black	1333-86-4	5.975	0.29		2944	
	plastics	epoxy resin	-	113.520	5.59		55934	
	inorganic material	silicondioxide	60676-86-0	477.978	23.55	29.43	235513	294391
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10575	10575
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	0.093	0.00		46	
	noble metal	silver	7440-22-4	0.233	0.01		115	
	non noble metal	tin	7440-31-5	0.605	0.03	0.04	298	459
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	29.04	29.08	290446	290824
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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