



## Material Content Data Sheet



<b>Sales Product Name</b>				IGP15N60T		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001634342					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2029.80 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	1.597	0.08	0.08	787	787	
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	40.16	40.21	401681	402204	
	non noble metal	aluminium	7429-90-5	1.472	0.07	0.07	725	725	
wire	non noble metal	aluminium	7429-90-5	1.472	0.07	0.07	725	725	
encapsulation	organic material	carbon black	1333-86-4	5.972	0.29		2942		
	plastics	epoxy resin	-	113.463	5.59		55899		
	inorganic material	silicondioxide	60676-86-0	477.739	23.54	29.42	235362	294203	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10574	10574	
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	0.122	0.01		60		
	noble metal	silver	7440-22-4	0.306	0.02		151		
	non noble metal	tin	7440-31-5	0.795	0.04	0.07	392	603	
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	290405	290783	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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