



## Material Content Data Sheet



<b>Sales Product Name</b>		SGP07N120		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA000723214						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2032.60 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	7.418	0.36	0.36	3649	3649
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	40.11	40.16	401128	401651
	non noble metal	aluminium	7429-90-5	1.348	0.07	0.07	663	663
wire	non noble metal	aluminium	7429-90-5	1.348	0.07	0.07	663	663
encapsulation	organic material	carbon black	1333-86-4	5.919	0.29		2912	
	plastics	epoxy resin	-	112.462	5.53		55329	
	inorganic material	silicondioxide	60676-86-0	473.523	23.30	29.12	232964	291205
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10559	10559
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	0.360	0.02		177	
	noble metal	silver	7440-22-4	0.899	0.04		442	
	non noble metal	tin	7440-31-5	2.338	0.12	0.18	1150	1769
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	29.00	29.04	290006	290383
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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