



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA08N50C3		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA000358772						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2237.54 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	4.883	0.22	0.22	2182	2182
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	iron	7439-89-6	0.687	0.03		307	
	non noble metal	copper	7440-50-8	686.221	30.67	30.71	306687	307086
	non noble metal	aluminium	7429-90-5	0.722	0.03	0.03	322	322
wire	non noble metal	aluminium	7429-90-5	0.722	0.03	0.03	322	322
encapsulation	organic material	carbon black	1333-86-4	2.234	0.10		998	
	plastics	epoxy resin	-	207.351	9.27		92670	
	inorganic material	silicondioxide	60676-86-0	891.549	39.85	49.22	398450	492118
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3549	3549
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	136	137
solder	non noble metal	antimony	7440-36-0	0.276	0.01		124	
	noble metal	silver	7440-22-4	0.691	0.03		309	
	non noble metal	tin	7440-31-5	1.796	0.08	0.12	803	1236
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		193	
	non noble metal	copper	7440-50-8	432.110	19.31	19.34	193119	193370
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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