



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA17N80C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001334382						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2210.10 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	12.969	0.59	0.59	5868	5868
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		409	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	copper	7440-50-8	902.149	40.82	40.87	408194	408726
wire	non noble metal	aluminium	7429-90-5	3.372	0.15	0.15	1526	1526
encapsulation	organic material	carbon black	1333-86-4	2.335	0.11		1056	
	plastics	epoxy resin	-	213.260	9.65		96493	
	inorganic material	silicondioxide	60676-86-0	914.545	41.37	51.13	413802	511351
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3609	3609
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.558	0.03		252	
	noble metal	silver	7440-22-4	1.395	0.06		631	
	non noble metal	tin	7440-31-5	3.626	0.16	0.25	1641	2524
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65551	65637
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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