



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA17N80C3		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001916110						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2253.74 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	0.58	0.58	5755	5755
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		120	
	non noble metal	iron	7439-89-6	0.903	0.04		401	
	non noble metal	copper	7440-50-8	902.149	40.03	40.08	400290	400811
	non noble metal	aluminium	7429-90-5	3.372	0.15	0.15	1496	1496
wire	non noble metal	aluminium	7429-90-5	3.372	0.15	0.15	1496	1496
encapsulation	organic material	carbon black	1333-86-4	2.418	0.11		1073	
	plastics	epoxy resin	-	221.446	9.83		98257	
	inorganic material	silicondioxide	60676-86-0	950.036	42.15	52.09	421538	520868
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3495	3495
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	735	735
solder	non noble metal	antimony	7440-36-0	0.558	0.02		247	
	noble metal	silver	7440-22-4	1.395	0.06		619	
	non noble metal	tin	7440-31-5	3.626	0.16	0.24	1609	2475
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	iron	7439-89-6	0.145	0.01		64	
	non noble metal	copper	7440-50-8	144.874	6.43	6.44	64282	64365
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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