



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA04N80C3		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001510836						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2223.54 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	3.894	0.18	0.18	1751	1751
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		406	
	non noble metal	copper	7440-50-8	902.149	40.57	40.62	405727	406255
	non noble metal	aluminium	7429-90-5	0.792	0.04	0.04	356	356
wire	non noble metal	aluminium	7429-90-5	0.792	0.04	0.04	356	356
encapsulation	organic material	carbon black	1333-86-4	2.342	0.11		1053	
	plastics	epoxy resin	-	218.075	9.81		98076	
	inorganic material	silicondioxide	60676-86-0	938.159	42.18	52.10	421920	521049
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3543	3543
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	745	745
solder	non noble metal	antimony	7440-36-0	0.236	0.01		106	
	noble metal	silver	7440-22-4	0.590	0.03		265	
	non noble metal	tin	7440-31-5	1.535	0.07	0.11	690	1061
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.52	6.53	65155	65240
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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