



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA08N80C3		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001584820						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2236.28 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	6.828	0.31	0.31	3053	3053
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		404	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		121	
	non noble metal	copper	7440-50-8	902.149	40.34	40.39	403416	403941
wire	non noble metal	aluminium	7429-90-5	29.437	1.32	1.32	13163	13163
encapsulation	organic material	carbon black	1333-86-4	2.328	0.10		1041	
	plastics	epoxy resin	-	214.594	9.60		95960	
	inorganic material	silicondioxide	60676-86-0	921.672	41.21	50.91	412146	509147
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3522	3522
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	740	740
solder	non noble metal	antimony	7440-36-0	0.350	0.02		157	
	noble metal	silver	7440-22-4	0.875	0.04		391	
	non noble metal	tin	7440-31-5	2.276	0.10	0.16	1018	1566
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	copper	7440-50-8	144.874	6.48	6.49	64784	64868
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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