



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA06N80C3		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001333452						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2208.62 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	4.945	0.22	0.22	2239	2239
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	40.85	40.90	408467	408999
wire	non noble metal	aluminium	7429-90-5	0.777	0.04	0.04	352	352
encapsulation	organic material	carbon black	1333-86-4	2.318	0.10		1050	
	plastics	epoxy resin	-	215.075	9.74		97380	
	inorganic material	silicondioxide	60676-86-0	924.681	41.87	51.71	418669	517099
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3611	3611
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.278	0.01		126	
	noble metal	silver	7440-22-4	0.696	0.03		315	
	non noble metal	tin	7440-31-5	1.809	0.08	0.12	819	1260
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	65595	65681
*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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