



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA15N60C3		<b>Issued</b>		3. June 2015		
<b>MA#</b>		MA001334350						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2213.22 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	9.195	0.42	0.42	4155	4155
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.76	40.81	407619	408149
wire	non noble metal	aluminium	7429-90-5	2.818	0.13	0.13	1273	1273
encapsulation	organic material	carbon black	1333-86-4	2.302	0.10		1040	
	plastics	epoxy resin	-	214.364	9.69		96857	
	inorganic material	silicondioxide	60676-86-0	922.179	41.65	51.44	416669	514566
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3604	3604
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	757	757
solder	non noble metal	antimony	7440-36-0	0.432	0.02		195	
	noble metal	silver	7440-22-4	1.080	0.05		488	
	non noble metal	tin	7440-31-5	2.807	0.13	0.20	1268	1951
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	6.55	6.56	65459	65545
*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 2011/65/EU (RoHS) and does not use any exemption.

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