



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA06N60C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001333456						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2208.81 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	4.096	0.19	0.19	1854	1854
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	40.84	40.89	408433	408965
wire	non noble metal	aluminium	7429-90-5	0.780	0.04	0.04	353	353
encapsulation	organic material	carbon black	1333-86-4	2.316	0.10		1048	
	plastics	epoxy resin	-	215.275	9.75		97462	
	inorganic material	silicondioxide	60676-86-0	925.854	41.91	51.76	419165	517675
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	0.245	0.01		111	
	noble metal	silver	7440-22-4	0.612	0.03		277	
	non noble metal	tin	7440-31-5	1.591	0.07	0.11	720	1108
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	65589	65675
*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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