



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA11N60C3		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA001674076						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2208.14 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	7.017	0.32	0.32	3178	3178
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.86	40.91	408555	409087
	non noble metal	aluminium	7429-90-5	0.779	0.04	0.04	353	353
wire	organic material	carbon black	1333-86-4	2.305	0.10		1044	
encapsulation	plastics	epoxy resin	-	214.399	9.71		97094	
	inorganic material	silicondioxide	60676-86-0	922.193	41.75	51.56	417632	515770
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.353	0.02		160	
	noble metal	silver	7440-22-4	0.883	0.04		400	
heatspreader	non noble metal	tin	7440-31-5	2.296	0.10	0.16	1040	1600
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65609	65695
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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