



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA17N80C3		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001618792						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2228.49 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	12.969	0.58	0.58	5820	5820
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		405	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.48	40.53	404824	405351
wire	non noble metal	aluminium	7429-90-5	2.924	0.13	0.13	1312	1312
encapsulation	organic material	carbon black	1333-86-4	2.294	0.10		1030	
	plastics	epoxy resin	-	215.991	9.69		96922	
	inorganic material	silicondioxide	60676-86-0	930.817	41.80	51.59	417689	515641
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3535	3535
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	743	743
solder	non noble metal	antimony	7440-36-0	0.558	0.02		250	
	noble metal	silver	7440-22-4	1.395	0.06		626	
	non noble metal	tin	7440-31-5	3.626	0.16	0.24	1627	2503
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.50	6.51	65010	65095
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com