



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA04N80C3		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001730860						
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2119.98 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	3.894	0.18	0.18	1837	1837
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		170	
	non noble metal	iron	7439-89-6	1.202	0.06		567	
	non noble metal	copper	7440-50-8	1200.685	56.64	56.72	566367	567104
	non noble metal	aluminium	7429-90-5	0.801	0.04	0.04	378	378
wire	non noble metal	aluminium	7429-90-5	0.801	0.04	0.04	378	378
encapsulation	organic material	carbon black	1333-86-4	8.987	0.42		4239	
	plastics	epoxy resin	-	144.937	6.84		68367	
	inorganic material	silicondioxide	60676-86-0	748.855	35.32	42.58	353238	425844
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3721	3721
solder	non noble metal	antimony	7440-36-0	0.236	0.01		112	
	noble metal	silver	7440-22-4	0.591	0.03		279	
	non noble metal	tin	7440-31-5	1.537	0.07	0.11	725	1116
*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.
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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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