



Material Content Data Sheet



Sales Product Name		SPA17N80C3		Issued		31. July 2018		
MA#		MA001916110						
Package		PG-TO220-3-313		Weight*		2168.35 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	0.60	0.60	5981	5981
leadframe	inorganic material	phosphorus	7723-14-0	0.315	0.01		145	
	non noble metal	iron	7439-89-6	1.048	0.05		483	
	non noble metal	copper	7440-50-8	1047.023	48.30	48.36	482867	483495
	non noble metal	aluminium	7429-90-5	2.924	0.13	0.13	1349	1349
wire	non noble metal	aluminium	7429-90-5	2.924	0.13	0.13	1349	1349
encapsulation	organic material	carbon black	1333-86-4	2.241	0.10		1034	
	plastics	epoxy resin	-	205.401	9.47		94727	
	inorganic material	silicondioxide	60676-86-0	881.316	40.64	50.21	406445	502206
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3633	3633
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	764	764
solder	non noble metal	antimony	7440-36-0	0.558	0.03		257	
	noble metal	silver	7440-22-4	1.395	0.06		643	
	non noble metal	tin	7440-31-5	3.626	0.17	0.26	1672	2572
*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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