



Material Content Data Sheet



Sales Product Name		SPA17N80C3		Issued		22. January 2018		
MA#		MA001730832						
Package		PG-TO220-3-317		Weight*		2149.75 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	6033	6033
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		168	
	non noble metal	iron	7439-89-6	1.202	0.06		559	
	non noble metal	copper	7440-50-8	1200.685	55.84	55.92	558521	559248
	non noble metal	aluminium	7429-90-5	2.958	0.14	0.14	1376	1376
wire	non noble metal	aluminium	7429-90-5	2.958	0.14	0.14	1376	1376
encapsulation	organic material	carbon black	1333-86-4	9.063	0.42		4216	
	plastics	epoxy resin	-	148.309	6.90		68989	
	inorganic material	silicondioxide	60676-86-0	760.733	35.39	42.71	353869	427074
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3670	3670
solder	non noble metal	antimony	7440-36-0	0.559	0.03		260	
	noble metal	silver	7440-22-4	1.396	0.06		650	
	non noble metal	tin	7440-31-5	3.630	0.17	0.26	1689	2599
*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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