



Material Content Data Sheet



Sales Product Name		SPA11N80C3		Issued		24. January 2018		
MA#		MA001806990						
Package		PG-TO220-3-317		Weight*		2145.30 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	9.366	0.44	0.44	4366	4366
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		168	
	non noble metal	iron	7439-89-6	1.202	0.06		560	
	non noble metal	copper	7440-50-8	1200.685	55.96	56.04	559682	560410
	non noble metal	aluminium	7429-90-5	2.935	0.14	0.14	1368	1368
wire	non noble metal	aluminium	7429-90-5	2.935	0.14	0.14	1368	1368
encapsulation	organic material	carbon black	1333-86-4	9.065	0.42		4226	
	plastics	epoxy resin	-	148.383	6.92		69166	
	inorganic material	silicondioxide	60676-86-0	760.993	35.47	42.81	354726	428118
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3677	3677
solder	non noble metal	antimony	7440-36-0	0.442	0.02		206	
	noble metal	silver	7440-22-4	1.105	0.05		515	
	non noble metal	tin	7440-31-5	2.874	0.13	0.20	1340	2061
*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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