



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA11N80C3		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA001806990						
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2103.33 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	0.45	0.45	4453	4453
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		572	
	non noble metal	copper	7440-50-8	1200.685	57.07	57.15	570850	571593
	non noble metal	aluminium	7429-90-5	2.935	0.14	0.14	1395	1395
wire	non noble metal	aluminium	7429-90-5	2.935	0.14	0.14	1395	1395
encapsulation	organic material	carbon black	1333-86-4	8.657	0.41		4116	
	plastics	epoxy resin	-	141.524	6.73		67286	
	inorganic material	silicondioxide	60676-86-0	726.290	34.53	41.67	345304	416706
leadfinish	non noble metal	tin	7440-31-5	7.889	0.38	0.38	3751	3751
solder	non noble metal	antimony	7440-36-0	0.442	0.02		210	
	noble metal	silver	7440-22-4	1.105	0.05		526	
	non noble metal	tin	7440-31-5	2.874	0.14	0.21	1366	2102
*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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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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