



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA08N80C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000453236						
<b>Package</b>		PG-TO220-3-31		<b>Weight*</b>		2257.32 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	6.828	0.30	0.30	3025	3025
leadframe	non noble metal	zinc	7440-66-6	0.925	0.04		410	
	non noble metal	copper	7440-50-8	615.788	27.28	27.32	272796	273206
wire	non noble metal	aluminium	7429-90-5	32.511	1.44	1.44	14403	14403
encapsulation	organic material	carbon black	1333-86-4	2.188	0.10		969	
	plastics	epoxy resin	-	205.626	9.11		91093	
	inorganic material	silicondioxide	60676-86-0	885.944	39.24	48.45	392475	484537
leadfinish	non noble metal	tin	7440-31-5	6.250	0.28	0.28	2769	2769
plating	non noble metal	nickel	7440-02-0	0.679	0.03	0.03	301	301
solder	non noble metal	antimony	7440-36-0	0.350	0.02		155	
	noble metal	silver	7440-22-4	0.875	0.04		388	
	non noble metal	tin	7440-31-5	2.276	0.10	0.16	1008	1551
heatspreader	non noble metal	zinc	7440-66-6	0.746	0.03		330	
	non noble metal	copper	7440-50-8	496.335	21.99	22.02	219878	220208
*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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