



Material Content Data Sheet



Sales Product Name		SPA08N80C3		Issued		27. September 2017		
MA#		MA001334328						
Package		PG-TO220-3-313		Weight*		2209.90 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	0.31	0.31	3090	3090
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		409	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	copper	7440-50-8	902.149	40.82	40.87	408231	408763
wire	non noble metal	aluminium	7429-90-5	2.935	0.13	0.13	1328	1328
encapsulation	organic material	carbon black	1333-86-4	2.328	0.11		1053	
	plastics	epoxy resin	-	214.594	9.71		97106	
	inorganic material	silicondioxide	60676-86-0	921.672	41.70	51.52	417065	515224
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3609	3609
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.350	0.02		158	
	noble metal	silver	7440-22-4	0.875	0.04		396	
	non noble metal	tin	7440-31-5	2.276	0.10	0.16	1030	1584
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65557	65643
*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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