



Material Content Data Sheet



Sales Product Name		SPA04N80C3		Issued		1. August 2018		
MA#		MA001510836						
Package		PG-TO220-3-313		Weight*		2223.54 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	3.894	0.18	0.18	1751	1751
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		406	
wire	non noble metal	copper	7440-50-8	902.149	40.57	40.62	405727	406255
	non noble metal	aluminium	7429-90-5	0.792	0.04	0.04	356	356
encapsulation	organic material	carbon black	1333-86-4	2.342	0.11		1053	
	plastics	epoxy resin	-	218.075	9.81		98076	
leadfinish	inorganic material	silicondioxide	60676-86-0	938.159	42.18	52.10	421920	521049
	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3543	3543
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	745	745
solder	non noble metal	antimony	7440-36-0	0.236	0.01		106	
	noble metal	silver	7440-22-4	0.590	0.03		265	
heatspreader	non noble metal	tin	7440-31-5	1.535	0.07	0.11	690	1061
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.52	6.53	65155	65240
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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