



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPA06N80C3	Issued	03. April 2021
MA#	MA001626316		
Package	PG-TO220-3-313	Weight*	2207.06 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	4.945	0.22	0.22	2240	2240
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.88	40.93	408757	409289
wire	non noble metal	aluminium	7429-90-5	0.817	0.04	0.04	370	370
encapsulation	organic material	carbon black	1333-86-4	2.313	0.10		1048	
	plastics	epoxy resin	-	214.776	9.73		97313	
	inorganic material	silicondioxide	60676-86-0	923.502	41.85	51.68	418433	516794
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3569	3569
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.278	0.01		126	
	noble metal	silver	7440-22-4	0.696	0.03		315	
	non noble metal	tin	7440-31-5	1.809	0.08	0.12	820	1261
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65641	65727
*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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