

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA04N80C3	**Issued**	02. June 2021
MA#	MA001510836		
Package	PG-TO220-3-313	**Weight***	2207.51 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	1764	1764
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	40.87	40.92	408673	409205
wire	non noble metal	aluminium	7429-90-5	0.808	0.04	0.04	366	366
encapsulation	organic material	carbon black	1333-86-4	2.310	0.10		1046	
	plastics	epoxy resin	-	215.058	9.74		97421	
	inorganic material	silicondioxide	60676-86-0	925.162	41.90	51.74	419097	517564
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3568	3568
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.236	0.01		107	
	noble metal	silver	7440-22-4	0.590	0.03		267	
	non noble metal	tin	7440-31-5	1.535	0.07	0.11	695	1069
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	65628	65714
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com