



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPA11N80C3	Issued	09. February 2022
MA#	MA005618719		
Package	PG-TO220-3-313	Weight*	2204.91 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	9.366	0.42	0.42	4248	4248
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.92	40.97	409155	409688
wire	non noble metal	aluminium	7429-90-5	3.593	0.16	0.16	1630	1630
encapsulation	organic material	carbon black	1333-86-4	2.331	0.11		1057	
	plastics	epoxy resin	-	213.131	9.67		96662	
	inorganic material	silicon dioxide	60676-86-0	914.150	41.45	51.23	414598	512317
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3572	3572
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.442	0.02		200	
	noble metal	silver	7440-22-4	1.104	0.05		501	
	non noble metal	tin	7440-31-5	2.870	0.13	0.20	1302	2003
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	6.57	6.58	65705	65791
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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