

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA11N80C3	**Issued**	31. March 2021
MA#	MA001368094		
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	silicondioxide	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:

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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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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