

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA11N80C3	**Issued**	04. April 2021
MA#	MA001610306		
Package	PG-TO220-3-253	**Weight***	2136.50 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	0.44	0.44	4384	4384
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.88	66.97	668743	669614
wire	non noble metal	aluminium	7429-90-5	3.777	0.18	0.18	1768	1768
encapsulation	organic material	carbon black	1333-86-4	3.325	0.16		1556	
	plastics	epoxy resin	-	129.692	6.07		60703	
	inorganic material	silicondioxide	60676-86-0	532.068	24.90	31.13	249037	311296
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10046	10046
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	825	825
solder	non noble metal	antimony	7440-36-0	0.442	0.02		207	
	noble metal	silver	7440-22-4	1.104	0.05		517	
	non noble metal	tin	7440-31-5	2.870	0.13	0.20	1343	2067
*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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