

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA11N80C3	**Issued**	17. February 2022
MA#	MA005619412		
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.
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.

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