



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPA11N60C3	Issued	09. September 2021
MA#	MA001671464		
Package	PG-TO220-3-253	Weight*	2135.19 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	7.017	0.33	0.33	3287	3287
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	66.89	66.98	669152	670023
wire	non noble metal	aluminium	7429-90-5	0.969	0.05	0.05	454	454
encapsulation	organic material	carbon black	1333-86-4	3.349	0.16		1569	
	plastics	epoxy resin	-	130.615	6.12		61172	
	inorganic material	silicondioxide	60676-86-0	535.855	25.10	31.38	250963	313704
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10052	10052
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.353	0.02		165	
	noble metal	silver	7440-22-4	0.883	0.04		414	
	non noble metal	tin	7440-31-5	2.296	0.11	0.17	1075	1654
*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.

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