



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPP11N80C3	Issued	25. June 2021
MA#	MA005564302		
Package	PG-TO220-3-321	Weight*	1926.51 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	0.49	0.49	4862	4862
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.40	75.50	754092	755074
wire	non noble metal	aluminium	7429-90-5	3.149	0.16	0.16	1634	1634
encapsulation	organic material	carbon black	1333-86-4	2.237	0.12		1161	
	inorganic material	zinc borate	-	42.501	2.21		22061	
	plastics	epoxy resin	-	89.476	4.64		46445	
	inorganic material	silicondioxide	60676-86-0	313.165	16.26	23.23	162556	232223
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3915	3915
solder	non noble metal	antimony	7440-36-0	0.442	0.02		229	
	noble metal	silver	7440-22-4	1.104	0.06		573	
	non noble metal	tin	7440-31-5	2.870	0.15	0.23	1490	2292
*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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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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