

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA20N60C3	**Issued**	23. June 2021
MA#	MA005546872		
Package	PG-TO220-3-317	**Weight***	2104.46 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	12.312	0.59	0.59	5851	5851
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.05	57.13	570544	571286
wire	non noble metal	aluminium	7429-90-5	3.783	0.18	0.18	1798	1798
encapsulation	organic material	carbon black	1333-86-4	8.611	0.41		4092	
	plastics	epoxy resin	-	141.065	6.70		67031	
	inorganic material	silicondioxide	60676-86-0	723.180	34.36	41.47	343642	414765
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3749	3749
solder	non noble metal	antimony	7440-36-0	0.537	0.03		255	
	noble metal	silver	7440-22-4	1.342	0.06		638	
	non noble metal	tin	7440-31-5	3.489	0.17	0.26	1658	2551
*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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