

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA06N80C3	**Issued**	09. February 2022
MA#	MA005618783		
Package	PG-TO220-3-313	**Weight***	2169.71 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	4.945	0.23	0.23	2279	2279
leadframe	inorganic material	phosphorus	7723-14-0	0.315	0.01		145	
	non noble metal	iron	7439-89-6	1.048	0.05		483	
	non noble metal	copper	7440-50-8	1,047.023	48.27	48.33	482564	483192
wire	non noble metal	aluminium	7429-90-5	1.000	0.05	0.05	461	461
encapsulation	organic material	carbon black	1333-86-4	2.238	0.10		1032	
	plastics	epoxy resin	-	207.720	9.57		95736	
	inorganic material	silicondioxide	60676-86-0	893.102	41.16	50.83	411624	508392
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3630	3630
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	763	763
solder	non noble metal	antimony	7440-36-0	0.278	0.01		128	
	noble metal	silver	7440-22-4	0.696	0.03		321	
	non noble metal	tin	7440-31-5	1.809	0.08	0.12	834	1283
*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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