



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPA06N80C3	Issued	08. April 2021
MA#	MA001730858		
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	4.945	0.24	0.24	2350	2350
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	57.04	57.12	570543	571285
wire	non noble metal	aluminium	7429-90-5	0.825	0.04	0.04	392	392
encapsulation	organic material	carbon black	1333-86-4	8.804	0.42		4183	
	plastics	epoxy resin	-	142.369	6.77		67651	
	inorganic material	silicondioxide	60676-86-0	734.597	34.91	42.10	349066	420900
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3749	3749
solder	non noble metal	antimony	7440-36-0	0.279	0.01		132	
	noble metal	silver	7440-22-4	0.697	0.03		331	
	non noble metal	tin	7440-31-5	1.811	0.09	0.13	861	1324
*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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