



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPA04N80C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005558783		
<b>Package</b>	PG-TO220-3-317	<b>Weight*</b>	2104.88 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	3.894	0.18	0.18	1850	1850
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	570429	571171
wire	non noble metal	aluminium	7429-90-5	0.996	0.05	0.05	473	473
encapsulation	organic material	carbon black	1333-86-4	8.834	0.42		4197	
	plastics	epoxy resin	-	142.491	6.77		67696	
	inorganic material	silicondioxide	60676-86-0	736.168	34.97	42.16	349744	421637
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.236	0.01		112	
	noble metal	silver	7440-22-4	0.590	0.03		280	
	non noble metal	tin	7440-31-5	1.535	0.07	0.11	729	1121
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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