



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPA20N60C3	Issued	02. June 2021
MA#	MA000976106		
Package	PG-TO220-3-253	Weight*	2137.35 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	0.58	0.58	5761	5761
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		669	
	non noble metal	copper	7440-50-8	1,428.770	66.86	66.95	668476	669346
wire	non noble metal	aluminium	7429-90-5	3.734	0.17	0.17	1747	1747
encapsulation	organic material	carbon black	1333-86-4	3.310	0.15		1549	
	plastics	epoxy resin	-	129.106	6.04		60405	
	inorganic material	silicondioxide	60676-86-0	529.667	24.78	30.97	247814	309768
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10042	10042
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	825	825
solder	non noble metal	antimony	7440-36-0	0.537	0.03		251	
	noble metal	silver	7440-22-4	1.342	0.06		628	
	non noble metal	tin	7440-31-5	3.489	0.16	0.25	1632	2511
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

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