

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPP20N60C3	**Issued**	03. June 2021
MA#	MA005405305		
Package	PG-TO220-3-123	**Weight***	2039.83 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	0.60	0.60	6036	6036
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		400	
	non noble metal	copper	7440-50-8	815.335	39.98	40.03	399708	400228
wire	non noble metal	aluminium	7429-90-5	3.287	0.16	0.16	1612	1612
encapsulation	organic material	carbon black	1333-86-4	2.945	0.14		1444	
	miscellaneous	miscellaneous	-	2.945	0.14		1444	
	organic material	phenol formaldehyde resin	9003-35-4	35.341	1.73		17325	
	inorganic material	silicondioxide	14808-60-7	47.121	2.31		23100	
	non noble metal	metal hydroxide	-	47.121	2.31		23100	
	plastics	epoxy resin	29690-82-2	70.681	3.46		34650	
	inorganic material	silicondioxide	60676-86-0	382.857	18.77	28.86	187690	288753
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10522	10522
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.537	0.03		263	
	noble metal	silver	7440-22-4	1.342	0.07		658	
	non noble metal	tin	7440-31-5	3.489	0.17	0.27	1710	2631
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.90	28.94	288977	289353
*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