



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPP08N80C3	Issued	03. June 2021
MA#	MA005405640		
Package	PG-TO220-3-123	Weight*	2037.47 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	6.828	0.34	0.34	3351	3351
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	400170	400691
wire	non noble metal	aluminium	7429-90-5	3.220	0.16	0.16	1580	1580
encapsulation	organic material	carbon black	1333-86-4	2.970	0.15		1458	
	miscellaneous	miscellaneous	-	2.970	0.15		1458	
	organic material	phenol formaldehyde resin	9003-35-4	35.644	1.75		17494	
	inorganic material	silicondioxide	14808-60-7	47.525	2.33		23326	
	non noble metal	metal hydroxide	-	47.525	2.33		23326	
	plastics	epoxy resin	29690-82-2	71.288	3.50		34988	
	inorganic material	silicondioxide	60676-86-0	386.141	18.95	29.16	189520	291570
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10534	10534
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	866	866
solder	non noble metal	antimony	7440-36-0	0.350	0.02		172	
	noble metal	silver	7440-22-4	0.875	0.04		430	
	non noble metal	tin	7440-31-5	2.276	0.11	0.17	1117	1719
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.93	28.97	289312	289689
*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