

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPP20N60S5	**Issued**	28. March 2021
MA#	MA000949916		
Package	PG-TO220-3-123	**Weight***	2030.86 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	12.785	0.63	0.63	6295	6295
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401473	401996
wire	non noble metal	aluminium	7429-90-5	3.208	0.16	0.16	1579	1579
encapsulation	organic material	carbon black	1333-86-4	2.318	0.11		1141	
	plastics	epoxy resin	-	67.221	3.31		33100	
	inorganic material	silicondioxide	60676-86-0	509.950	25.11	28.53	251100	285341
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10568	10568
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.553	0.03		272	
	noble metal	silver	7440-22-4	1.382	0.07		680	
	non noble metal	tin	7440-31-5	3.593	0.18	0.28	1769	2721
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290254	290632
*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.

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