

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPI21N50C3	**Issued**	16. May 2021
MA#	MA005406210		
Package	PG-TO262-3-22	**Weight***	1577.01 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	11.919	0.76	0.76	7558	7558
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		539	
	non noble metal	copper	7440-50-8	849.682	53.89	53.96	538792	539493
wire	non noble metal	aluminium	7429-90-5	3.271	0.21	0.21	2074	2074
encapsulation	organic material	carbon black	1333-86-4	2.913	0.18		1847	
	miscellaneous	miscellaneous	-	2.913	0.18		1847	
	organic material	phenol formaldehyde resin	9003-35-4	34.956	2.22		22166	
	inorganic material	silicondioxide	14808-60-7	46.608	2.96		29555	
	non noble metal	metal hydroxide	-	46.608	2.96		29555	
	plastics	epoxy resin	29690-82-2	69.912	4.43		44332	
	inorganic material	silicondioxide	60676-86-0	378.689	24.01	36.94	240130	369432
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9637	9637
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1047	1047
solder	non noble metal	antimony	7440-36-0	0.524	0.03		332	
	noble metal	silver	7440-22-4	1.310	0.08		831	
	non noble metal	tin	7440-31-5	3.406	0.22	0.33	2160	3323
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		67	
	non noble metal	copper	7440-50-8	106.210	6.73	6.74	67349	67436
*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