



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPW32N50C3	Issued	12. August 2021
MA#	MA005617489		
Package	PG-TO247-3-41	Weight*	6057.05 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	22.329	0.37	0.37	3686	3686
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87348	87461
wire	non noble metal	aluminium	7429-90-5	10.715	0.18	0.18	1769	1769
encapsulation	organic material	carbon black	1333-86-4	19.823	0.33		3273	
	plastics	epoxy resin	-	376.644	6.22		62183	
	inorganic material	silicondioxide	60676-86-0	1,585.869	26.18	32.73	261822	327278
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5262	5262
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4798	4798
solder	non noble metal	antimony	7440-36-0	0.849	0.01		140	
	noble metal	silver	7440-22-4	2.123	0.04		351	
	non noble metal	tin	7440-31-5	5.520	0.09	0.14	911	1402
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.75	56.83	567605	568344
*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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