



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPW16N50C3	Issued	04. May 2021
MA#	MA001061836		
Package	PG-TO247-3-41	Weight*	6049.60 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	8.240	0.14	0.14	1362	1362
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87455	87569
wire	non noble metal	aluminium	7429-90-5	5.409	0.09	0.09	894	894
encapsulation	organic material	carbon black	1333-86-4	19.988	0.33		3304	
	plastics	epoxy resin	-	379.770	6.28		62776	
	inorganic material	silicondioxide	60676-86-0	1,599.030	26.43	33.04	264320	330400
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.399	0.01		66	
	noble metal	silver	7440-22-4	0.996	0.02		165	
	non noble metal	tin	7440-31-5	2.591	0.04	0.07	428	659
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.81	56.89	568303	569043
*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.
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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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