

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPW47N60CFD	**Issued**	25. March 2021
MA#	MA001213014		
Package	PG-TO247-3-41	**Weight***	6062.22 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	35.052	0.58	0.58	5782	5782
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	87273	87386
wire	non noble metal	aluminium	7429-90-5	10.874	0.18	0.18	1794	1794
encapsulation	organic material	carbon black	1333-86-4	19.708	0.33		3251	
	plastics	epoxy resin	-	374.443	6.18		61767	
	inorganic material	silicondioxide	60676-86-0	1,576.603	26.01	32.52	260071	325089
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5258	5258
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4794	4794
solder	non noble metal	antimony	7440-36-0	1.236	0.02		204	
	noble metal	silver	7440-22-4	3.090	0.05		510	
	non noble metal	tin	7440-31-5	8.034	0.13	0.20	1325	2039
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.69	56.77	567120	567858
*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