

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPW55N80C3	**Issued**	14. February 2022
MA#	MA005619342		
Package	PG-TO247-3-41	**Weight***	6065.08 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	39.403	0.65	0.65	6497	6497
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	8.72	8.73	87232	87345
wire	non noble metal	aluminium	7429-90-5	14.611	0.24	0.24	2409	2409
encapsulation	organic material	carbon black	1333-86-4	19.642	0.32		3239	
	plastics	epoxy resin	-	373.202	6.15		61533	
	inorganic material	silicondioxide	60676-86-0	1,571.377	25.91	32.38	259086	323858
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5255	5255
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4792	4792
solder	non noble metal	antimony	7440-36-0	1.367	0.02		225	
	noble metal	silver	7440-22-4	3.417	0.06		563	
	non noble metal	tin	7440-31-5	8.885	0.15	0.23	1465	2253
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	56.68	56.76	566853	567591
*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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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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