

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SGW25N120	**Issued**	12. August 2021
MA#	MA005617709		
Package	PG-TO247-3-44	**Weight***	6054.14 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	19.631	0.32	0.32	3243	3243
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	8.74	8.75	87389	87502
wire	non noble metal	aluminium	7429-90-5	4.220	0.07	0.07	697	697
encapsulation	organic material	carbon black	1333-86-4	19.894	0.33		3286	
	plastics	epoxy resin	-	377.978	6.24		62433	
	inorganic material	silicondioxide	60676-86-0	1,591.488	26.29	32.86	262876	328595
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.775	0.01		128	
	noble metal	silver	7440-22-4	1.938	0.03		320	
	non noble metal	tin	7440-31-5	5.038	0.08	0.12	832	1280
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	56.79	56.87	567877	568617
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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