

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SGW20N60	**Issued**	12. August 2021
MA#	MA005617567		
Package	PG-TO247-3-41	**Weight***	6048.21 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	5.084	0.08	0.08	841	841
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	87475	87589
wire	non noble metal	aluminium	7429-90-5	5.231	0.09	0.09	865	865
encapsulation	organic material	carbon black	1333-86-4	20.018	0.33		3310	
	plastics	epoxy resin	-	380.347	6.29		62886	
	inorganic material	silicondioxide	60676-86-0	1,601.460	26.48	33.10	264782	330978
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.289			48	
	noble metal	silver	7440-22-4	0.723	0.01		120	
	non noble metal	tin	7440-31-5	1.881	0.03	0.04	311	479
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	56.84	56.92	568433	569173
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com