

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSZ105N04NS G	**Issued**	13. March 2021
MA#	MA000469856		
Package	PG-TSDSON-8-1	**Weight***	36.12 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	0.804	2.23	2.23	22255	22255
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		66	
	non noble metal	zinc	7440-66-6	0.009	0.03		262	
	non noble metal	iron	7439-89-6	0.189	0.52		5242	
	non noble metal	copper	7440-50-8	7.689	21.28	21.84	212850	218420
wire	non noble metal	copper	7440-50-8	0.040	0.11	0.11	1106	1106
encapsulation	organic material	carbon black	1333-86-4	0.037	0.10		1032	
	plastics	epoxy resin	-	1.921	5.32		53171	
	inorganic material	silicondioxide	60676-86-0	16.690	46.22	51.64	462019	516222
leadfinish	non noble metal	tin	7440-31-5	0.370	1.02	1.02	10245	10245
plating	noble metal	silver	7440-22-4	0.081	0.22	0.22	2237	2237
solder	non noble metal	tin	7440-31-5	0.022	0.06		615	
	noble metal	silver	7440-22-4	0.028	0.08		768	
	non noble metal	lead	7439-92-1	1.060	2.93	3.07	29348	30731
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			33	
	non noble metal	zinc	7440-66-6	0.005	0.01		130	
	non noble metal	iron	7439-89-6	0.094	0.26		2602	
	non noble metal	copper	7440-50-8	3.816	10.56	10.83	105635	108400
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.001			27	
	non noble metal	zinc	7440-66-6	0.004	0.01		108	
	non noble metal	iron	7439-89-6	0.078	0.22		2169	
	non noble metal	copper	7440-50-8	3.182	8.81	9.04	88080	90384
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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

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