

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSZ180P03NS3 G	**Issued**	31. March 2021
MA#	MA001407814		
Package	PG-TSDSON-8-1	**Weight***	36.20 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	0.936	2.59	2.59	25854	25854
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		65	
	non noble metal	zinc	7440-66-6	0.009	0.03		262	
	non noble metal	iron	7439-89-6	0.189	0.52		5232	
	non noble metal	copper	7440-50-8	7.689	21.24	21.80	212433	217992
wire	non noble metal	copper	7440-50-8	0.053	0.15	0.15	1454	1454
encapsulation	organic material	carbon black	1333-86-4	0.037	0.10		1023	
	plastics	epoxy resin	-	1.908	5.27		52706	
	inorganic material	silicondioxide	60676-86-0	16.576	45.81	51.18	457979	511708
leadfinish	non noble metal	tin	7440-31-5	0.370	1.02	1.02	10225	10225
plating	noble metal	silver	7440-22-4	0.081	0.22	0.22	2232	2232
solder	non noble metal	tin	7440-31-5	0.023	0.06		643	
	noble metal	silver	7440-22-4	0.029	0.08		804	
	non noble metal	lead	7439-92-1	1.111	3.07	3.21	30694	32141
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		2165	
	non noble metal	copper	7440-50-8	3.182	8.79	9.02	87908	90208
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			32	
	non noble metal	zinc	7440-66-6	0.005	0.01		130	
	non noble metal	iron	7439-89-6	0.094	0.26		2596	
	non noble metal	copper	7440-50-8	3.816	10.54	10.81	105428	108186
*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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