

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC118N10NS G	**Issued**	17. February 2022
MA#	MA005699295		
Package	PG-TDSON-8-1	**Weight***	121.70 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	3.666	3.01	3.01	30127	30127
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		93	
	non noble metal	iron	7439-89-6	0.038	0.03		311	
	non noble metal	copper	7440-50-8	37.762	31.02	31.06	310297	310701
wire	non noble metal	copper	7440-50-8	0.034	0.03	0.03	280	280
encapsulation	organic material	carbon black	1333-86-4	0.081	0.07		667	
	plastics	epoxy resin	-	5.763	4.74		47358	
	inorganic material	silicondioxide	60676-86-0	34.742	28.55	33.36	285481	333506
leadfinish	non noble metal	tin	7440-31-5	1.452	1.19	1.19	11929	11929
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1360	1360
solder	non noble metal	tin	7440-31-5	0.061	0.05		499	
	noble metal	silver	7440-22-4	0.076	0.06		624	
	non noble metal	lead	7439-92-1	2.899	2.38	2.49	23825	24948
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		55	
	non noble metal	iron	7439-89-6	0.022	0.02		183	
	noble metal	silver	7440-22-4	1.289	1.06		10596	
	non noble metal	copper	7440-50-8	22.292	18.32	19.41	183175	194009
heatspreader	inorganic material	phosphorus	7723-14-0	0.003			28	
	non noble metal	iron	7439-89-6	0.011	0.01		93	
	non noble metal	copper	7440-50-8	11.320	9.30	9.31	93019	93140
*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.

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