

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC500N20NS3 G	**Issued**	10. June 2021
MA#	MA003261110		
Package	PG-TDSON-8-7	**Weight***	119.00 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	1.504	1.26	1.26	12642	12642
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	iron	7439-89-6	0.038	0.03		318	
	non noble metal	copper	7440-50-8	37.762	31.73	31.77	317335	317748
wire	noble metal	gold	7440-57-5	0.044	0.04	0.04	373	373
encapsulation	organic material	carbon black	1333-86-4	0.085	0.07		717	
	plastics	epoxy resin	-	6.743	5.67		56666	
	inorganic material	silicondioxide	60676-86-0	35.849	30.13	35.87	301260	358643
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12199	12199
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1391	1391
solder	non noble metal	tin	7440-31-5	0.034	0.03		284	
	noble metal	silver	7440-22-4	0.042	0.04		354	
	non noble metal	lead	7439-92-1	1.611	1.35	1.42	13540	14178
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		56	
	non noble metal	iron	7439-89-6	0.022	0.02		188	
	non noble metal	copper	7440-50-8	22.292	18.73	18.76	187329	187573
heatspreader	inorganic material	phosphorus	7723-14-0	0.003			29	
	non noble metal	iron	7439-89-6	0.011	0.01		95	
	non noble metal	copper	7440-50-8	11.320	9.51	9.52	95129	95253
*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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