



Material Content Data Sheet



Halogen-Free

Sales Product Name	BSC014N06NS	Issued	14. February 2022
MA#	MA005623285		
Package	PG-TDSON-8-17	Weight*	120.16 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	1.818	1.51	1.51	15134	15134
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		94	
	non noble metal	iron	7439-89-6	0.038	0.03		315	
	non noble metal	copper	7440-50-8	37.762	31.43	31.47	314268	314677
wire	noble metal	gold	7440-57-5	0.044	0.04	0.04	370	370
encapsulation	organic material	carbon black	1333-86-4	0.129	0.11		1077	
	plastics	epoxy resin	-	5.047	4.20		42002	
	inorganic material	silicondioxide	60676-86-0	37.959	31.59	35.90	315914	358993
leadfinish	non noble metal	tin	7440-31-5	1.452	1.21	1.21	12081	12081
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1378	1378
solder	non noble metal	tin	7440-31-5	0.050	0.04		415	
	noble metal	silver	7440-22-4	0.062	0.05		518	
	non noble metal	lead	7439-92-1	2.380	1.98	2.07	19805	20738
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		55	
	non noble metal	zinc	7440-66-6	0.026	0.02		220	
	non noble metal	iron	7439-89-6	0.529	0.44		4403	
	non noble metal	copper	7440-50-8	21.482	17.88	18.35	178785	183463
heatspreader	inorganic material	phosphorus	7723-14-0	0.003			28	
	non noble metal	zinc	7440-66-6	0.013	0.01		112	
	non noble metal	iron	7439-89-6	0.269	0.22		2236	
	non noble metal	copper	7440-50-8	10.909	9.08	9.31	90790	93166
*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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