

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC0403NS	**Issued**	16. May 2021
MA#	MA005400769		
Package	PG-TDSON-8-7	**Weight***	119.41 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	1.575	1.32	1.32	13190	13190
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	iron	7439-89-6	0.038	0.03		317	
	non noble metal	copper	7440-50-8	37.762	31.60	31.64	316228	316640
wire	noble metal	gold	7440-57-5	0.045	0.04	0.04	378	378
encapsulation	organic material	carbon black	1333-86-4	0.085	0.07		712	
	plastics	epoxy resin	-	6.720	5.63		56277	
	inorganic material	silicondioxide	60676-86-0	35.727	29.92	35.62	299192	356181
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12157	12157
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1386	1386
solder	non noble metal	tin	7440-31-5	0.044	0.04		365	
	noble metal	silver	7440-22-4	0.054	0.05		456	
	non noble metal	lead	7439-92-1	2.079	1.74	1.83	17406	18227
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		187	
	non noble metal	copper	7440-50-8	22.292	18.67	18.70	186677	186920
heatspreader	inorganic material	phosphorus	7723-14-0	0.003			28	
	non noble metal	iron	7439-89-6	0.011	0.01		95	
	non noble metal	copper	7440-50-8	11.320	9.48	9.49	94798	94921
*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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