

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC040N10NS5	**Issued**	04. April 2021
MA#	MA001708732		
Package	PG-TDSON-8-7	**Weight***	119.34 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	1.517	1.27	1.27	12713	12713
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	31.63	31.67	316410	316822
wire	noble metal	gold	7440-57-5	0.045	0.04	0.04	374	374
encapsulation	organic material	carbon black	1333-86-4	0.085	0.07		714	
	plastics	epoxy resin	-	6.730	5.64		56390	
	inorganic material	silicondioxide	60676-86-0	35.779	29.98	35.69	299794	356898
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12164	12164
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1387	1387
solder	non noble metal	tin	7440-31-5	0.042	0.04		353	
	noble metal	silver	7440-22-4	0.053	0.04		441	
	non noble metal	lead	7439-92-1	2.010	1.68	1.76	16846	17640
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	18.68	18.71	186784	187027
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	9.49	9.50	94852	94975
*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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