



Material Content Data Sheet



Halogen-Free

Sales Product Name	BSC030N08NS5	Issued	09. February 2022
MA#	MA005571209		
Package	PG-TDSON-8-46	Weight*	119.35 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	316407	316819
wire	noble metal	gold	7440-57-5	0.046	0.04	0.04	385	385
encapsulation	organic material	carbon black	1333-86-4	0.085	0.07		714	
	plastics	epoxy resin	-	6.730	5.64		56389	
	inorganic material	silicondioxide	60676-86-0	35.779	29.98	35.69	299791	356894
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12163	12163
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	186782	187025
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	94851	94974
*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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