



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BSC066N06NS	<b>Issued</b>	17. April 2021
<b>MA#</b>	MA005423347		
<b>Package</b>	PG-TDSON-8-51	<b>Weight*</b>	101.51 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	0.386	0.38	0.38	3803	3803
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		134	
	non noble metal	zinc	7440-66-6	0.055	0.05		537	
	non noble metal	iron	7439-89-6	1.090	1.07		10741	
	non noble metal	copper	7440-50-8	44.271	43.64	44.77	436117	447529
wire	noble metal	gold	7440-57-5	0.032	0.03	0.03	316	316
encapsulation	organic material	carbon black	1333-86-4	0.089	0.09		872	
	plastics	epoxy resin	-	4.074	4.01		40131	
	inorganic material	silicondioxide	60676-86-0	40.118	39.52	43.62	395206	436209
leadfinish	non noble metal	tin	7440-31-5	1.264	1.24	1.24	12449	12449
plating	noble metal	silver	7440-22-4	0.029	0.03	0.03	286	286
solder	noble metal	silver	7440-22-4	0.015	0.01		148	
	non noble metal	tin	7440-31-5	0.030	0.03		295	
	non noble metal	lead	7439-92-1	0.554	0.55	0.59	5459	5902
heat sink clip	inorganic material	phosphorus	7723-14-0	0.003			28	
	non noble metal	zinc	7440-66-6	0.011	0.01		112	
	non noble metal	iron	7439-89-6	0.228	0.22		2244	
	non noble metal	copper	7440-50-8	9.250	9.11	9.34	91122	93506
*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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