

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC0901NS	**Issued**	07. April 2021
MA#	MA001706414		
Package	PG-TDSON-8-45	**Weight***	118.26 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	0.671	0.57	0.57	5674	5674
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		96	
	non noble metal	iron	7439-89-6	0.038	0.03		320	
	non noble metal	copper	7440-50-8	37.762	31.93	31.97	319309	319725
wire	noble metal	gold	7440-57-5	0.045	0.04	0.04	381	381
encapsulation	organic material	carbon black	1333-86-4	0.087	0.07		736	
	plastics	epoxy resin	-	6.874	5.81		58125	
	inorganic material	silicondioxide	60676-86-0	36.545	30.90	36.78	309020	367881
leadfinish	non noble metal	tin	7440-31-5	1.452	1.23	1.23	12275	12275
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1400	1400
solder	non noble metal	tin	7440-31-5	0.019	0.02		162	
	noble metal	silver	7440-22-4	0.024	0.02		202	
	non noble metal	lead	7439-92-1	0.912	0.77	0.81	7713	8077
heatspreader	inorganic material	phosphorus	7723-14-0	0.003			29	
	non noble metal	iron	7439-89-6	0.011	0.01		96	
	non noble metal	copper	7440-50-8	11.320	9.57	9.58	95721	95846
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		57	
	non noble metal	iron	7439-89-6	0.022	0.02		189	
	non noble metal	copper	7440-50-8	22.292	18.85	18.88	188495	188741
*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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