

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC120N12LS G	**Issued**	15. May 2021
MA#	MA004819024		
Package	PG-TDSON-8-39	**Weight***	119.02 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	1.257	1.06	1.06	10561	10561
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	iron	7439-89-6	0.038	0.03		318	
	non noble metal	copper	7440-50-8	37.762	31.71	31.75	317262	317675
wire	noble metal	gold	7440-57-5	0.044	0.04	0.04	367	367
encapsulation	organic material	carbon black	1333-86-4	0.086	0.07		720	
	plastics	epoxy resin	-	6.774	5.69		56910	
	inorganic material	silicondioxide	60676-86-0	36.012	30.26	36.02	302561	360191
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12196	12196
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1391	1391
solder	non noble metal	tin	7440-31-5	0.035	0.03		297	
	noble metal	silver	7440-22-4	0.044	0.04		371	
	non noble metal	lead	7439-92-1	1.689	1.42	1.49	14189	14857
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		188	
	non noble metal	copper	7440-50-8	22.292	18.73	18.76	187287	187531
heatspreader	inorganic material	phosphorus	7723-14-0	0.003			29	
	non noble metal	iron	7439-89-6	0.011	0.01		95	
	non noble metal	copper	7440-50-8	11.320	9.51	9.52	95107	95231
*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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