

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC028N06LS3 G	**Issued**	08. April 2022
MA#	MA005710151		
Package	PG-TDSON-8-1	**Weight***	121.99 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	4.398	3.61	3.61	36053	36053
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		93	
	non noble metal	iron	7439-89-6	0.038	0.03		310	
	non noble metal	copper	7440-50-8	37.762	30.93	30.97	309540	309943
wire	non noble metal	copper	7440-50-8	0.072	0.06	0.06	591	591
encapsulation	organic material	carbon black	1333-86-4	0.079	0.07		651	
	plastics	epoxy resin	-	6.270	5.14		51393	
	inorganic material	silicondioxide	60676-86-0	33.332	27.32	32.53	273227	325271
leadfinish	non noble metal	tin	7440-31-5	1.452	1.19	1.19	11899	11899
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1357	1357
solder	non noble metal	tin	7440-31-5	0.069	0.06		569	
	noble metal	silver	7440-22-4	0.087	0.07		711	
	non noble metal	lead	7439-92-1	3.313	2.72	2.85	27157	28437
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		55	
	non noble metal	iron	7439-89-6	0.022	0.02		183	
	noble metal	silver	7440-22-4	1.289	1.06		10570	
	non noble metal	copper	7440-50-8	22.292	18.27	19.36	182728	193536
heatspreader	inorganic material	phosphorus	7723-14-0	0.003			28	
	non noble metal	iron	7439-89-6	0.011	0.01		93	
	non noble metal	copper	7440-50-8	11.320	9.28	9.29	92792	92913
*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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