

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC016N04LS G	**Issued**	16. July 2019
MA#	MA003218912		
Package	PG-TDSON-8-50	**Weight***	107.21 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	1.396	1.30	1.30	13019	13019
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		127	
	non noble metal	zinc	7440-66-6	0.055	0.05		508	
	non noble metal	iron	7439-89-6	1.090	1.02		10170	
	non noble metal	copper	7440-50-8	44.271	41.29	42.37	412930	423735
wire	noble metal	gold	7440-57-5	0.042	0.04	0.04	387	387
encapsulation	organic material	carbon black	1333-86-4	0.084	0.08		780	
	plastics	epoxy resin	-	3.848	3.59		35889	
	inorganic material	silicondioxide	60676-86-0	37.892	35.34	39.01	353425	390094
leadfinish	non noble metal	tin	7440-31-5	1.264	1.18	1.18	11787	11787
plating	noble metal	silver	7440-22-4	0.029	0.03	0.03	271	271
solder	noble metal	silver	7440-22-4	0.048	0.04		445	
	non noble metal	tin	7440-31-5	0.095	0.09		890	
	non noble metal	lead	7439-92-1	1.766	1.65	1.78	16474	17809
heat sink clip	inorganic material	phosphorus	7723-14-0	0.005	0.00		43	
	non noble metal	zinc	7440-66-6	0.018	0.02		171	
	non noble metal	iron	7439-89-6	0.368	0.34		3430	
	non noble metal	copper	7440-50-8	14.930	13.93	14.29	139254	142898
*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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