



Material Content Data Sheet



Sales Product Name				BSC190N15NS3 G		Issued		20. July 2018	
MA#				MA001398098					
Package				PG-TDSON-8-1		Weight*		122.22 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	4.419	3.62	3.62	36152	36152	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		309		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		93		
	non noble metal	copper	7440-50-8	37.762	30.88	30.92	308961	309363	
wire	non noble metal	copper	7440-50-8	0.065	0.05	0.05	536	536	
encapsulation	organic material	carbon black	1333-86-4	0.080	0.07		652		
	plastics	epoxy resin	-	5.661	4.63		46317		
	inorganic material	silicondioxide	60676-86-0	34.125	27.92	32.62	279204	326173	
leadfinish	non noble metal	tin	7440-31-5	1.470	1.20	1.20	12026	12026	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1354	1354	
solder	noble metal	silver	7440-22-4	0.087	0.07		712		
	non noble metal	tin	7440-31-5	0.070	0.06		570		
	non noble metal	lead	7439-92-1	3.324	2.72	2.85	27199	28481	
CLIP plating	noble metal	silver	7440-22-4	1.289	1.06	1.06	10550	10550	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		93		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.26	9.27	92619	92740	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		183		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
	non noble metal	copper	7440-50-8	22.292	18.24	18.27	182387	182625	
*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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