



Material Content Data Sheet



Sales Product Name				BSC190N12NS3 G		Issued		20. July 2018	
MA#				MA000653110					
Package				PG-TDSON-8-1		Weight*		120.78 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	2.247	1.86	1.86	18606	18606	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		313		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		94		
	non noble metal	copper	7440-50-8	37.762	31.26	31.30	312661	313068	
wire	non noble metal	copper	7440-50-8	0.048	0.04	0.04	402	402	
encapsulation	organic material	carbon black	1333-86-4	0.084	0.07		694		
	plastics	epoxy resin	-	5.955	4.93		49303		
	inorganic material	silicondioxide	60676-86-0	35.895	29.72	34.72	297209	347206	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.20	1.20	12019	12019	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1371	1371	
solder	noble metal	silver	7440-22-4	0.054	0.04		450		
	non noble metal	tin	7440-31-5	0.043	0.04		360		
	non noble metal	lead	7439-92-1	2.075	1.72	1.80	17180	17990	
CLIP plating	noble metal	silver	7440-22-4	1.289	1.07	1.07	10677	10677	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		94		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.37	9.38	93728	93850	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		185		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
	non noble metal	copper	7440-50-8	22.292	18.46	18.49	184571	184811	
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com