



## Material Content Data Sheet



<b>Sales Product Name</b>				BSC118N10NS G		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001311772					
<b>Package</b>				PG-TDSON-8-1		<b>Weight*</b>		121.70 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	3.666	3.01	3.01	30127	30127	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		311		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		93		
	non noble metal	copper	7440-50-8	37.762	31.02	31.06	310297	310701	
wire	non noble metal	copper	7440-50-8	0.034	0.03	0.03	280	280	
encapsulation	organic material	carbon black	1333-86-4	0.081	0.07		667		
	plastics	epoxy resin	-	5.763	4.74		47358		
	inorganic material	silicondioxide	60676-86-0	34.742	28.55	33.36	285481	333506	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.19	1.19	11929	11929	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1360	1360	
solder	noble metal	silver	7440-22-4	0.076	0.06		624		
	non noble metal	tin	7440-31-5	0.061	0.05		499		
	non noble metal	lead	7439-92-1	2.899	2.38	2.49	23825	24948	
CLIP plating	noble metal	silver	7440-22-4	1.289	1.06	1.06	10596	10596	
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	9.30	9.31	93019	93140	
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	18.32	18.35	183175	183413	
*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