



## Material Content Data Sheet



<b>Sales Product Name</b>		BSC057N08NS3 G		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001254710						
<b>Package</b>		PG-TDSON-8-1		<b>Weight*</b>		121.72 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	30120	30120
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	310230	310634
wire	non noble metal	copper	7440-50-8	0.067	0.06	0.06	554	554
encapsulation	organic material	carbon black	1333-86-4	0.081	0.07		667	
	plastics	epoxy resin	-	5.762	4.73		47339	
	inorganic material	silicondioxide	60676-86-0	34.735	28.54	33.34	285368	333374
leadfinish	non noble metal	tin	7440-31-5	1.452	1.19	1.19	11926	11926
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	23820	24943
CLIP plating	noble metal	silver	7440-22-4	1.289	1.06	1.06	10594	10594
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	93000	93121
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	18.31	18.34	183136	183374
*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