



## Material Content Data Sheet



<b>Sales Product Name</b>		BSC037N08NS5		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001239704						
<b>Package</b>		PG-TDSON-8-7		<b>Weight*</b>		119.14 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	1.176	0.99	0.99	9872	9872
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	iron	7439-89-6	0.038	0.03		317	
wire	non noble metal	copper	7440-50-8	37.762	31.69	31.73	316942	317354
	noble metal	gold	7440-57-5	0.045	0.04	0.04	375	375
encapsulation	organic material	carbon black	1333-86-4	0.086	0.07		725	
	plastics	epoxy resin	-	6.131	5.15		51460	
leadfinish	inorganic material	silicondioxide	60676-86-0	36.959	31.02	36.24	310208	362393
	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12184	12184
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1389	1389
solder	non noble metal	tin	7440-31-5	0.033	0.03		279	
	noble metal	silver	7440-22-4	0.042	0.03		349	
heatspreader	non noble metal	lead	7439-92-1	1.588	1.33	1.39	13328	13956
	inorganic material	phosphorus	7723-14-0	0.003	0.00		29	
heat sink CLIP	non noble metal	iron	7439-89-6	0.011	0.01		95	
	non noble metal	copper	7440-50-8	11.320	9.50	9.51	95012	95136
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		56	
	non noble metal	iron	7439-89-6	0.022	0.02		187	
*deviation	non noble metal	copper	7440-50-8	22.292	18.71	18.74	187098	187341
						Sum in total:	100.00	

### 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