



## Material Content Data Sheet



<b>Sales Product Name</b>		BSC440N10NS3 G		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001493840						
<b>Package</b>		PG-TDSON-8-5		<b>Weight*</b>		123.61 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	0.830	0.67	0.67	6714	6714
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		92	
	non noble metal	iron	7439-89-6	0.038	0.03		306	
	non noble metal	copper	7440-50-8	37.762	30.55	30.59	305495	305893
	non noble metal	copper	7440-50-8	0.067	0.05	0.05	543	543
wire	non noble metal	copper	7440-50-8	0.067	0.05	0.05	543	543
encapsulation	organic material	carbon black	1333-86-4	0.097	0.08		785	
	plastics	epoxy resin	-	6.887	5.57		55716	
	inorganic material	silicondioxide	60676-86-0	41.515	33.60	39.25	335862	392363
leadfinish	non noble metal	tin	7440-31-5	1.452	1.17	1.17	11744	11744
plating	noble metal	silver	7440-22-4	0.166	0.13	0.13	1339	1339
solder	non noble metal	tin	7440-31-5	0.023	0.02		183	
	noble metal	silver	7440-22-4	0.028	0.02		228	
	non noble metal	lead	7439-92-1	1.078	0.87	0.91	8717	9128
heatspreader	inorganic material	phosphorus	7723-14-0	0.003	0.00		28	
	non noble metal	iron	7439-89-6	0.011	0.01		92	
	non noble metal	copper	7440-50-8	11.320	9.16	9.17	91580	91700
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		54	
	non noble metal	iron	7439-89-6	0.022	0.02		181	
	non noble metal	copper	7440-50-8	22.292	18.03	18.06	180341	180576
*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