



## Material Content Data Sheet



<b>Sales Product Name</b>		BSC160N15NS5		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001327830						
<b>Package</b>		PG-TDSON-8-7		<b>Weight*</b>		119.09 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	1.124	0.94	0.94	9437	9437
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	iron	7439-89-6	0.038	0.03		318	
wire	non noble metal	copper	7440-50-8	37.762	31.70	31.74	317097	317510
	noble metal	gold	7440-57-5	0.044	0.04	0.04	373	373
encapsulation	organic material	carbon black	1333-86-4	0.086	0.07		726	
	plastics	epoxy resin	-	6.139	5.16		51550	
leadfinish	inorganic material	silicondioxide	60676-86-0	37.006	31.08	36.31	310755	363031
	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12190	12190
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1390	1390
solder	non noble metal	tin	7440-31-5	0.032	0.03		269	
	noble metal	silver	7440-22-4	0.040	0.03		336	
heatspreader	non noble metal	lead	7439-92-1	1.530	1.28	1.34	12849	13454
	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	9.51	9.52	95058	95182
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	18.72	18.75	187190	187433
						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.

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