



## Material Content Data Sheet



<b>Sales Product Name</b>		BSC027N10NS5		<b>Issued</b>		13. August 2019		
<b>MA#</b>		MA005354784						
<b>Package</b>		PG-TSON-8-3		<b>Weight*</b>		124.02 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	3.102	2.50	2.50	25012	25012
leadframe	inorganic material	phosphorus	7723-14-0	0.012	0.01		93	
	non noble metal	zinc	7440-66-6	0.046	0.04		372	
	non noble metal	iron	7439-89-6	0.922	0.74		7430	
wire	non noble metal	copper	7440-50-8	37.418	30.17	30.96	301708	309603
	noble metal	gold	7440-57-5	0.053	0.04	0.04	429	429
encapsulation	organic material	carbon black	1333-86-4	0.092	0.07		745	
	plastics	epoxy resin	-	4.759	3.84		38375	
	inorganic material	silicondioxide	60676-86-0	41.356	33.35	37.26	333456	372576
leadfinish	non noble metal	tin	7440-31-5	1.343	1.08	1.08	10827	10827
plating	noble metal	silver	7440-22-4	0.030	0.02	0.02	244	244
solder	non noble metal	tin	7440-31-5	0.066	0.05		528	
	noble metal	silver	7440-22-4	0.082	0.07		661	
	non noble metal	lead	7439-92-1	3.130	2.52	2.64	25235	26424
heat sink clip	inorganic material	phosphorus	7723-14-0	0.009	0.01		76	
	non noble metal	iron	7439-89-6	0.032	0.03		255	
	non noble metal	copper	7440-50-8	31.570	25.46	25.50	254554	254885
*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