



## Material Content Data Sheet



<b>Sales Product Name</b>				BSC046N02KS G		<b>Issued</b>		26. September 2017	
<b>MA#</b>				MA000441474					
<b>Package</b>				PG-TDSON-8-1		<b>Weight*</b>		120.48 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	1.840	1.53	1.53	15273	15273	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		314		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		94		
	non noble metal	copper	7440-50-8	37.762	31.34	31.38	313419	313827	
wire	non noble metal	copper	7440-50-8	0.046	0.04	0.04	380	380	
encapsulation	organic material	carbon black	1333-86-4	0.085	0.07		703		
	plastics	epoxy resin	-	6.010	4.99		49886		
	inorganic material	silicondioxide	60676-86-0	36.232	30.07	35.13	300719	351308	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.20	1.20	12048	12048	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1374	1374	
solder	noble metal	silver	7440-22-4	0.047	0.04		394		
	non noble metal	tin	7440-31-5	0.038	0.03		315		
	non noble metal	lead	7439-92-1	1.813	1.50	1.57	15044	15753	
CLIP plating	noble metal	silver	7440-22-4	1.289	1.07	1.07	10702	10702	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		94		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.40	9.41	93955	94077	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		185		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		56		
	non noble metal	copper	7440-50-8	22.292	18.50	18.53	185017	185258	
*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.

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