



Material Content Data Sheet



Sales Product Name				BSC123N08NS3 G		Issued		27. September 2017	
MA#				MA000456688					
Package				PG-TDSON-8-5		Weight*		119.40 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	1.835	1.54	1.54	15367	15367	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		317		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		95		
	non noble metal	copper	7440-50-8	37.762	31.62	31.66	316261	316673	
wire	non noble metal	copper	7440-50-8	0.062	0.05	0.05	523	523	
encapsulation	organic material	carbon black	1333-86-4	0.085	0.07		713		
	plastics	epoxy resin	-	6.046	5.06		50639		
	inorganic material	silicondioxide	60676-86-0	36.448	30.53	35.66	305259	356611	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12158	12158	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1386	1386	
solder	non noble metal	tin	7440-31-5	0.037	0.03		308		
	noble metal	silver	7440-22-4	0.046	0.04		385		
	non noble metal	lead	7439-92-1	1.758	1.47	1.54	14720	15413	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		95		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.48	9.49	94807	94930	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		187		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		56		
	non noble metal	copper	7440-50-8	22.292	18.67	18.70	186696	186939	
*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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