



Material Content Data Sheet



Sales Product Name				BSC016N06NS		Issued		27. September 2017	
MA#				MA001003246					
Package				PG-TDSON-8-17		Weight*		119.15 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	1.517	1.27	1.27	12735	12735	
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	31.69	31.73	316939	317351	
wire	noble metal	gold	7440-57-5	0.045	0.04	0.04	374	374	
encapsulation	organic material	carbon black	1333-86-4	0.086	0.07		719		
	plastics	epoxy resin	-	6.079	5.10		51023		
	inorganic material	silicondioxide	60676-86-0	36.646	30.76	35.93	307577	359319	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12184	12184	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1389	1389	
solder	noble metal	silver	7440-22-4	0.053	0.04		442		
	non noble metal	tin	7440-31-5	0.042	0.04		353		
	non noble metal	lead	7439-92-1	2.010	1.69	1.77	16874	17669	
heatspreader	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	zinc	7440-66-6	0.013	0.01		113		
	non noble metal	iron	7439-89-6	0.269	0.23		2255		
	non noble metal	copper	7440-50-8	10.909	9.16	9.40	91561	93957	
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
	non noble metal	zinc	7440-66-6	0.026	0.02		222		
	non noble metal	iron	7439-89-6	0.529	0.44		4441		
	non noble metal	copper	7440-50-8	21.482	18.03	18.50	180304	185022	
*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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