



Material Content Data Sheet



Sales Product Name		BSC117N08NS5		Issued		22. January 2018		
MA#		MA001229668						
Package		PG-TDSON-8-6		Weight*		118.20 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	0.419	0.35	0.35	3548	3548
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		320	
	inorganic material	phosphorus	7723-14-0	0.011	0.01		96	
	non noble metal	copper	7440-50-8	37.762	31.95	31.99	319478	319894
wire	noble metal	gold	7440-57-5	0.046	0.04	0.04	392	392
encapsulation	organic material	carbon black	1333-86-4	0.088	0.07		744	
	plastics	epoxy resin	-	6.247	5.29		52852	
	inorganic material	silicondioxide	60676-86-0	37.658	31.86	37.22	318600	372196
leadfinish	non noble metal	tin	7440-31-5	1.452	1.23	1.23	12282	12282
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1400	1400
solder	noble metal	silver	7440-22-4	0.016	0.01		139	
	non noble metal	tin	7440-31-5	0.013	0.01		111	
	non noble metal	lead	7439-92-1	0.626	0.53	0.55	5300	5550
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		96	
	inorganic material	phosphorus	7723-14-0	0.003	0.00		29	
	non noble metal	copper	7440-50-8	11.320	9.58	9.59	95772	95897
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		189	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		57	
	non noble metal	copper	7440-50-8	22.292	18.86	18.89	188595	188841
*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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