



Material Content Data Sheet



Sales Product Name		BSC110N15NS5		Issued		1. August 2018		
MA#		MA001327354						
Package		PG-TDSON-8-7		Weight*		119.63 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	1.575	1.32	1.32	13166	13166
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	iron	7439-89-6	0.038	0.03		316	
	non noble metal	copper	7440-50-8	37.762	31.56	31.60	315654	316065
	noble metal	gold	7440-57-5	0.045	0.04	0.04	377	377
wire	organic material	carbon black	1333-86-4	0.085	0.07		715	
encapsulation	plastics	epoxy resin	-	6.070	5.07		50744	
	inorganic material	silicondioxide	60676-86-0	36.594	30.59	35.73	305891	357350
leadfinish	non noble metal	tin	7440-31-5	1.452	1.21	1.21	12134	12134
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1384	1384
solder	non noble metal	tin	7440-31-5	0.044	0.04		364	
	noble metal	silver	7440-22-4	0.054	0.05		455	
	non noble metal	lead	7439-92-1	2.079	1.74	1.83	17375	18194
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		95	
	non noble metal	copper	7440-50-8	11.320	9.46	9.47	94626	94749
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		56	
	non noble metal	iron	7439-89-6	0.022	0.02		187	
	non noble metal	copper	7440-50-8	22.292	18.63	18.66	186338	186581
*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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