



## Material Content Data Sheet



<b>Sales Product Name</b>		BSC080N03MS G		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001275302						
<b>Package</b>		PG-TDSON-8-5		<b>Weight*</b>		118.64 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	0.804	0.68	0.68	6776	6776
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		319	
	inorganic material	phosphorus	7723-14-0	0.011	0.01		96	
	non noble metal	copper	7440-50-8	37.762	31.83	31.87	318278	318693
wire	non noble metal	copper	7440-50-8	0.068	0.06	0.06	575	575
encapsulation	organic material	carbon black	1333-86-4	0.087	0.07		735	
	plastics	epoxy resin	-	6.188	5.22		52157	
	inorganic material	silicondioxide	60676-86-0	37.303	31.44	36.73	314409	367301
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12235	12235
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1395	1395
solder	noble metal	silver	7440-22-4	0.028	0.02		234	
	non noble metal	tin	7440-31-5	0.022	0.02		187	
	non noble metal	lead	7439-92-1	1.060	0.89	0.93	8936	9357
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	9.54	9.55	95412	95537
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		188	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		56	
	non noble metal	copper	7440-50-8	22.292	18.79	18.82	187887	188131
*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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