



Material Content Data Sheet



Sales Product Name				BSC050N03MS G		Issued		24. January 2018	
MA#				MA000457498					
Package				PG-TDSON-8-5		Weight*		118.95 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	1.213	1.02	1.02	10194	10194	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		318		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		95		
	non noble metal	copper	7440-50-8	37.762	31.74	31.78	317470	317883	
wire	non noble metal	copper	7440-50-8	0.059	0.05	0.05	494	494	
encapsulation	organic material	carbon black	1333-86-4	0.086	0.07		726		
	plastics	epoxy resin	-	6.132	5.16		51552		
	inorganic material	silicondioxide	60676-86-0	36.964	31.08	36.31	310764	363042	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12204	12204	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1392	1392	
solder	non noble metal	tin	7440-31-5	0.028	0.02		237		
	noble metal	silver	7440-22-4	0.035	0.03		296		
	non noble metal	lead	7439-92-1	1.345	1.13	1.18	11310	11843	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		95		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		29		
	non noble metal	copper	7440-50-8	11.320	9.52	9.53	95170	95294	
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	18.74	18.77	187410	187654	
*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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