



Material Content Data Sheet



Sales Product Name		BSC042N03LS G		Issued		19. January 2018		
MA#		MA000361760						
Package		PG-TDSON-8-5		Weight*		119.14 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	1.426	1.20	1.20	11972	11972
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	31.70	31.74	316963	317375
wire	noble metal	gold	7440-57-5	0.060	0.05	0.05	500	500
encapsulation	organic material	carbon black	1333-86-4	0.086	0.07		721	
	plastics	epoxy resin	-	6.103	5.12		51225	
	inorganic material	silicondioxide	60676-86-0	36.788	30.88	36.07	308791	360737
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12185	12185
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1389	1389
solder	non noble metal	tin	7440-31-5	0.032	0.03		267	
	noble metal	silver	7440-22-4	0.040	0.03		334	
	non noble metal	lead	7439-92-1	1.518	1.27	1.33	12745	13346
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	9.50	9.51	95018	95142
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		187	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		56	
	non noble metal	copper	7440-50-8	22.292	18.71	18.74	187111	187354
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com