



## Material Content Data Sheet



<b>Sales Product Name</b>		BSZ058N03MS G		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001308712						
<b>Package</b>		PG-TSDSON-8-2		<b>Weight*</b>		38.23 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	1.076	2.82	2.82	28161	28161
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		55	
	non noble metal	zinc	7440-66-6	0.008	0.02		219	
	non noble metal	iron	7439-89-6	0.168	0.44		4386	
wire	non noble metal	copper	7440-50-8	6.808	17.81	18.28	178094	182754
	non noble metal	copper	7440-50-8	0.043	0.11	0.11	1135	1135
	encapsulation	organic material	carbon black	1333-86-4	0.035	0.09		920
	plastics	epoxy resin	-	1.811	4.74		47372	
	inorganic material	silicondioxide	60676-86-0	15.735	41.16	45.99	411635	459927
leadfinish	non noble metal	tin	7440-31-5	0.387	1.01	1.01	10128	10128
plating	noble metal	silver	7440-22-4	0.963	2.52	2.52	25182	25182
solder	noble metal	silver	7440-22-4	0.033	0.09		856	
	non noble metal	tin	7440-31-5	0.026	0.07		685	
	non noble metal	lead	7439-92-1	1.250	3.27	3.43	32696	34237
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		28	
	non noble metal	zinc	7440-66-6	0.004	0.01		113	
	non noble metal	iron	7439-89-6	0.086	0.23		2256	
	non noble metal	copper	7440-50-8	3.501	9.16	9.40	91593	93990
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.002	0.00		49	
	non noble metal	zinc	7440-66-6	0.008	0.02		197	
	non noble metal	iron	7439-89-6	0.151	0.39		3948	
	non noble metal	copper	7440-50-8	6.127	16.03	16.44	160292	164486
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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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