



## Material Content Data Sheet



<b>Sales Product Name</b>		BSZ100N03LS G		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001731458						
<b>Package</b>		PG-TSDSON-8-1		<b>Weight*</b>		36.06 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	0.709	1.97	1.97	19659	19659
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		66	
	non noble metal	zinc	7440-66-6	0.009	0.03		263	
	non noble metal	iron	7439-89-6	0.189	0.53		5252	
wire	non noble metal	copper	7440-50-8	7.689	21.33	21.90	213252	218833
	non noble metal	copper	7440-50-8	0.039	0.11	0.11	1095	1095
	encapsulation	organic material	carbon black	1333-86-4	0.037	0.10		1040
	plastics	epoxy resin	-	1.930	5.35		53541	
	inorganic material	silicondioxide	60676-86-0	16.774	46.53	51.98	465237	519818
leadfinish	non noble metal	tin	7440-31-5	0.370	1.03	1.03	10264	10264
plating	noble metal	silver	7440-22-4	0.081	0.22	0.22	2241	2241
solder	non noble metal	tin	7440-31-5	0.021	0.06		579	
	noble metal	silver	7440-22-4	0.026	0.07		723	
	non noble metal	lead	7439-92-1	0.996	2.76	2.89	27629	28931
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		33	
	non noble metal	zinc	7440-66-6	0.005	0.01		130	
	non noble metal	iron	7439-89-6	0.094	0.26		2606	
heat sink CLIP	non noble metal	copper	7440-50-8	3.816	10.58	10.85	105834	108603
	inorganic material	phosphorus	7723-14-0	0.001	0.00		27	
	non noble metal	zinc	7440-66-6	0.004	0.01		109	
	non noble metal	iron	7439-89-6	0.078	0.22		2173	
	non noble metal	copper	7440-50-8	3.182	8.82	9.05	88247	90556
*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.

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