



## Material Content Data Sheet



<b>Sales Product Name</b>		BSZ097N04LS G		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001307566						
<b>Package</b>		PG-TSDSON-8-1		<b>Weight*</b>		36.12 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	2.23	2.23	22255	22255
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		66	
	non noble metal	zinc	7440-66-6	0.009	0.03		262	
	non noble metal	iron	7439-89-6	0.189	0.52		5242	
wire	non noble metal	copper	7440-50-8	7.689	21.29	21.85	212853	218423
	non noble metal	copper	7440-50-8	0.039	0.11	0.11	1088	1088
	encapsulation	organic material	carbon black	1333-86-4	0.037	0.10		1032
	plastics	epoxy resin	-	1.921	5.32		53172	
	inorganic material	silicondioxide	60676-86-0	16.690	46.21	51.63	462029	516233
leadfinish	non noble metal	tin	7440-31-5	0.370	1.02	1.02	10245	10245
plating	noble metal	silver	7440-22-4	0.081	0.22	0.22	2237	2237
solder	noble metal	silver	7440-22-4	0.028	0.08		768	
	non noble metal	tin	7440-31-5	0.022	0.06		615	
	non noble metal	lead	7439-92-1	1.060	2.93	3.07	29348	30731
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		2602	
heat sink CLIP	non noble metal	copper	7440-50-8	3.816	10.56	10.83	105637	108402
	inorganic material	phosphorus	7723-14-0	0.001	0.00		27	
	non noble metal	zinc	7440-66-6	0.004	0.01		108	
	non noble metal	iron	7439-89-6	0.078	0.22		2169	
	non noble metal	copper	7440-50-8	3.182	8.81	9.04	88082	90386
*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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