



## Material Content Data Sheet



<b>Sales Product Name</b>		BSZ058N03MS G		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA000896080						
<b>Package</b>		PG-TSDSON-8-2		<b>Weight*</b>		39.67 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	2.71	2.71	27137	27137
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		53	
	non noble metal	zinc	7440-66-6	0.008	0.02		211	
	non noble metal	iron	7439-89-6	0.168	0.42		4227	
wire	non noble metal	copper	7440-50-8	6.808	17.16	17.61	171621	176112
	non noble metal	copper	7440-50-8	0.037	0.09	0.09	939	939
	encapsulation	organic material	carbon black	1333-86-4	0.038	0.10		959
	plastics	epoxy resin	-	1.960	4.94		49410	
	inorganic material	silicondioxide	60676-86-0	17.031	42.93	47.97	429343	479712
leadfinish	non noble metal	tin	7440-31-5	0.387	0.98	0.98	9760	9760
plating	noble metal	silver	7440-22-4	0.963	2.43	2.43	24266	24266
solder	non noble metal	tin	7440-31-5	0.026	0.07		660	
	noble metal	silver	7440-22-4	0.033	0.08		825	
	non noble metal	lead	7439-92-1	1.250	3.15	3.30	31507	32992
heatspreader	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	0.086	0.22		2174	
	non noble metal	copper	7440-50-8	3.501	8.83	9.06	88264	90574
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.002	0.00		48	
	non noble metal	zinc	7440-66-6	0.008	0.02		190	
	non noble metal	iron	7439-89-6	0.151	0.38		3804	
	non noble metal	copper	7440-50-8	6.127	15.45	15.85	154466	158508
*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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