



## Material Content Data Sheet



<b>Sales Product Name</b>		BSZ036NE2LS		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA000978266						
<b>Package</b>		PG-TSDSON-8-25		<b>Weight*</b>		35.44 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	0.303	0.86	0.86	8562	8562
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		69	
	non noble metal	zinc	7440-66-6	0.010	0.03		278	
	non noble metal	iron	7439-89-6	0.197	0.56		5551	
wire	non noble metal	copper	7440-50-8	7.988	22.54	23.14	225380	231278
	noble metal	gold	7440-57-5	0.035	0.10	0.10	998	998
	encapsulation	organic material	carbon black	1333-86-4	0.038	0.11		1075
encapsulation	plastics	epoxy resin	-	1.963	5.54		55375	
	inorganic material	silicondioxide	60676-86-0	17.055	48.08	53.73	481170	537620
leadfinish	non noble metal	tin	7440-31-5	0.395	1.12	1.12	11152	11152
plating	noble metal	silver	7440-22-4	0.020	0.06	0.06	573	573
solder	non noble metal	tin	7440-31-5	0.010	0.03		273	
	noble metal	silver	7440-22-4	0.012	0.03		342	
	non noble metal	lead	7439-92-1	0.463	1.31	1.37	13052	13667
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		33	
	non noble metal	zinc	7440-66-6	0.005	0.01		133	
	non noble metal	iron	7439-89-6	0.094	0.27		2651	
	non noble metal	copper	7440-50-8	3.816	10.77	11.05	107660	110477
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.001	0.00		26	
	non noble metal	zinc	7440-66-6	0.004	0.01		103	
	non noble metal	iron	7439-89-6	0.073	0.21		2056	
	non noble metal	copper	7440-50-8	2.959	8.35	8.57	83488	85673
*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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