



## Material Content Data Sheet



<b>Sales Product Name</b>		BGS 13S2N9 E6327		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001392532						
<b>Package</b>		PG-TSNP-9-3		<b>Weight*</b>		1.44 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	0.157	10.91	10.91	109097	109097
bumps	non noble metal	copper	7440-50-8	0.011	0.74	0.74	7392	7392
leadframe	non noble metal	zinc	7440-66-6	0.001	0.08		837	
	non noble metal	tin	7440-31-5	0.002	0.10		1045	
	non noble metal	chromium	7440-47-3	0.002	0.13		1255	
encapsulation	non noble metal	copper	7440-50-8	0.598	41.51	41.82	415130	418267
	organic material	carbon black	1333-86-4	0.003	0.21		2053	
	plastics	epoxy resin	-	0.086	5.95		59544	
	inorganic material	silicondioxide	60676-86-0	0.503	34.91	41.07	349053	410650
leadfinish	non noble metal	tin	7440-31-5	0.036	2.52	2.52	25172	25172
plating	noble metal	silver	7440-22-4	0.036	2.48	2.48	24805	24805
ubm	non noble metal	copper	7440-50-8	0.000	0.00		28	
	non noble metal	titanium	7440-32-6	0.000	0.00		10	
	non noble metal	tungsten	7440-33-7	0.000	0.00	0.00	5	43
solder	noble metal	silver	7440-22-4	0.000	0.01		105	
	non noble metal	tin	7440-31-5	0.006	0.45	0.46	4469	4574
*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 does not use any exemption

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