



## Material Content Data Sheet



<b>Sales Product Name</b>		BGS 12SN6 E6327		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001471760						
<b>Package</b>		PG-TSNP-6-8		<b>Weight*</b>		0.83 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	0.088	10.67	10.67	106692	106692
bumps	non noble metal	copper	7440-50-8	0.008	0.96	0.96	9644	9644
leadframe	non noble metal	tin	7440-31-5	0.001	0.09		932	
	non noble metal	zinc	7440-66-6	0.001	0.07		745	
	non noble metal	chromium	7440-47-3	0.001	0.11		1117	
encapsulation	non noble metal	copper	7440-50-8	0.306	36.97	37.24	369729	372523
	organic material	carbon black	1333-86-4	0.001	0.14		1417	
	plastics	epoxy resin	-	0.050	6.00		59997	
	inorganic material	silicondioxide	60676-86-0	0.341	41.12	47.26	411002	472416
leadfinish	non noble metal	tin	7440-31-5	0.028	3.34	3.34	33364	33364
ubm	non noble metal	copper	7440-50-8	0.000	0.00		36	
	non noble metal	titanium	7440-32-6	0.000	0.00		13	
	non noble metal	tungsten	7440-33-7	0.000	0.00	0.00	7	56
solder	noble metal	silver	7440-22-4	0.000	0.01		122	
	non noble metal	tin	7440-31-5	0.004	0.52	0.53	5183	5305
*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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