



## Material Content Data Sheet



<b>Sales Product Name</b>				BGSA 12GN10 E6327		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001477600					
<b>Package</b>				PG-TSNP-10-2		<b>Weight*</b>		1.67 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	0.293	17.59	17.59	175937	175937	
bumps	non noble metal	copper	7440-50-8	0.013	0.80	0.80	7985	7985	
leadframe	non noble metal	chromium	7440-47-3	0.002	0.10		960		
	non noble metal	tin	7440-31-5	0.001	0.08		800		
	non noble metal	zinc	7440-66-6	0.001	0.06		640		
encapsulation	non noble metal	copper	7440-50-8	0.530	31.78	32.02	317750	320150	
	organic material	carbon black	1333-86-4	0.002	0.14		1391		
	plastics	epoxy resin	-	0.098	5.89		58911		
	inorganic material	silicondioxide	60676-86-0	0.673	40.36	46.39	403563	463865	
leadfinish	non noble metal	tin	7440-31-5	0.046	2.76	2.76	27624	27624	
ubm	non noble metal	copper	7440-50-8	0.000	0.00		31		
	non noble metal	titanium	7440-32-6	0.000	0.00		11		
	non noble metal	tungsten	7440-33-7	0.000	0.00	0.00	5	47	
solder	noble metal	silver	7440-22-4	0.000	0.01		101		
	non noble metal	tin	7440-31-5	0.007	0.43	0.44	4291	4392	
*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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