



## Material Content Data Sheet



<b>Sales Product Name</b>		BGA 231N7 E6327		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001070620						
<b>Package</b>		PG-TSNP-7-1		<b>Weight*</b>		3.85 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	0.121	3.14	3.14	31430	31430
leadframe	non noble metal	zinc	7440-66-6	0.004	0.11		1117	
	non noble metal	tin	7440-31-5	0.005	0.14		1396	
	non noble metal	chromium	7440-47-3	0.006	0.17		1676	
wire	non noble metal	copper	7440-50-8	2.136	55.44	55.86	554318	558507
	noble metal	gold	7440-57-5	0.038	0.98	0.98	9765	9765
	encapsulation	organic material	carbon black	1333-86-4	0.006	0.16		1630
encapsulation	plastics	epoxy resin	-	0.182	4.73		47274	
	inorganic material	silicondioxide	60676-86-0	1.068	27.71	32.60	277123	326027
leadfinish	non noble metal	tin	7440-31-5	0.111	2.89	2.89	28931	28931
plating	noble metal	silver	7440-22-4	0.104	2.69	2.69	26929	26929
glue	plastics	epoxy resin	-	0.014	0.37		3682	
	noble metal	silver	7440-22-4	0.057	1.47	1.84	14729	18411
*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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