



## Material Content Data Sheet



<b>Sales Product Name</b>		BGT 24AR4 E6433		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001093716						
<b>Package</b>		PG-VQFN-32-9		<b>Weight*</b>		55.58 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	2.375	4.27	4.27	42737	42737
leadframe	inorganic material	phosphorus	7723-14-0	0.008	0.01		146	
	non noble metal	zinc	7440-66-6	0.032	0.06		582	
	non noble metal	iron	7439-89-6	0.647	1.16		11648	
wire	non noble metal	copper	7440-50-8	26.284	47.31	48.54	472948	485324
	noble metal	gold	7440-57-5	0.320	0.58	0.58	5759	5759
	encapsulation	organic material	carbon black	1333-86-4	0.070	0.13		1253
encapsulation	plastics	epoxy resin	-	2.948	5.30		53050	
	inorganic material	silicondioxide	60676-86-0	20.197	36.34	41.77	363416	417719
leadfinish	non noble metal	tin	7440-31-5	1.435	2.58	2.58	25824	25824
plating	noble metal	silver	7440-22-4	0.555	1.00	1.00	9986	9986
glue	plastics	epoxy resin	-	0.162	0.29		2910	
	noble metal	silver	7440-22-4	0.541	0.97	1.26	9741	12651
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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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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