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## Material Content Data Sheet



<b>Sales Product Name</b>		BGT 24ATR12 E6433		<b>Issued</b>		19. July 2018			
<b>MA#</b>		MA001103324							
<b>Package</b>		PG-VQFN-32-9		<b>Weight*</b>		55.62 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	42704	42704	
leadframe	inorganic material	phosphorus	7723-14-0	0.008	0.01		145		
		non noble metal	zinc	7440-66-6	0.032	0.06		582	
		non noble metal	iron	7439-89-6	0.647	1.16		11639	
wire	non noble metal	copper	7440-50-8	26.284	47.26	48.49	472587	484953	
		noble metal	gold	7440-57-5	0.367	0.66	0.66	6605	6605
		organic material	carbon black	1333-86-4	0.070	0.13		1252	
encapsulation	plastics	epoxy resin	-	2.948	5.30		52999		
		inorganic material	silicondioxide	60676-86-0	20.192	36.31	41.74	363063	417314
leadfinish	non noble metal	tin	7440-31-5	1.435	2.58	2.58	25805	25805	
plating	noble metal	silver	7440-22-4	0.555	1.00	1.00	9979	9979	
glue	plastics	epoxy resin	-	0.162	0.29		2907		
		noble metal	silver	7440-22-4	0.541	0.97	1.26	9733	12640
*deviation	< 10%				Sum in total:	100.00		1000000	

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