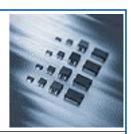
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Material Content Data Sheet				RoHS		Halogen-Free		
Sales Product Name	BGT 24ATR12 E6433			Issued		19. July 2018		
MA#	MA001103324							
Package	PG-VQFN-32-9			Weight*		55.62 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [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	
	non noble metal	copper	7440-50-8	26.284	47.26	48.49	472587	484953
wire	noble metal	gold	7440-57-5	0.367	0.66	0.66	6605	6605
encapsulation	organic material	carbon black	1333-86-4	0.070	0.13		1252	
	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%			S	Sum in total:	100.00		1000000

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