



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGT 24ATR12 E6433	Issued	15. May 2021
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	472588	484954
wire	noble metal	gold	7440-57-5	0.367	0.66	0.66	6604	6604
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%				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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com