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Material Content Data Sheet



Sales Product Name		BGT 24MR2 E6327		Issued		19. July 2018			
MA#		MA001091272							
Package		PG-VQFN-32-9		Weight*		55.54 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	1.627	2.93	2.93	29287	29287	
leadframe	inorganic material	phosphorus	7723-14-0	0.008	0.01		146		
		non noble metal	zinc	7440-66-6	0.032	0.06		583	
		non noble metal	iron	7439-89-6	0.647	1.17		11656	
wire	noble metal	non noble metal	copper	7440-50-8	26.284	47.33	48.57	473268	485653
		gold	7440-57-5	0.476	0.86	0.86	8570	8570	
encapsulation	organic material	carbon black	1333-86-4	0.072	0.13		1293		
		plastics	epoxy resin	-	3.040	5.47		54736	
		inorganic material	silicondioxide	60676-86-0	20.824	37.50	43.10	374965	430994
leadfinish	non noble metal	tin	7440-31-5	1.435	2.58	2.58	25842	25842	
plating	noble metal	silver	7440-22-4	0.555	1.00	1.00	9993	9993	
glue	plastics	epoxy resin	-	0.123	0.22		2222		
		noble metal	silver	7440-22-4	0.413	0.74	0.96	7439	9661
*deviation	< 10%					Sum in total:	100.00	1000000	

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