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Material Content Data Sheet



Sales Product Name				BGS 13PN10 E6327		Issued		19. July 2018	
MA#				MA001239268					
Package				PG-TSNP-10-1		Weight*		1.95 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	0.352	18.03	18.03	180285	180285	
bumps	non noble metal	copper	7440-50-8	0.005	0.26	0.26	2582	2582	
leadframe	non noble metal	tin	7440-31-5	0.002	0.09		863		
	non noble metal	zinc	7440-66-6	0.001	0.07		690		
	non noble metal	chromium	7440-47-3	0.002	0.10		1035		
encapsulation	non noble metal	copper	7440-50-8	0.669	34.24	34.50	342390	344978	
	organic material	carbon black	1333-86-4	0.004	0.20		2033		
	plastics	epoxy resin	-	0.115	5.89		58946		
leadfinish	inorganic material	silicondioxide	60676-86-0	0.675	34.56	40.65	345546	406525	
	non noble metal	tin	7440-31-5	0.029	1.47	1.47	14743	14743	
	plating	noble metal	silver	7440-22-4	0.017	0.88	0.88	8780	8780
ubm	non noble metal	tungsten	7440-33-7	0.010	0.49		4882		
	non noble metal	titanium	7440-32-6	0.018	0.94		9358		
solder	non noble metal	copper	7440-50-8	0.052	2.64	4.07	26446	40686	
	noble metal	silver	7440-22-4	0.000	0.00		33		
	non noble metal	tin	7440-31-5	0.003	0.14	0.14	1388	1421	
*deviation	< 10%		Sum in total:			100.00		1000000	

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