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Material Content Data Sheet



Sales Product Name				BGS 12S3N6 E6327		Issued		20. July 2018	
MA#				MA001274932					
Package				PG-TSNP-6-6		Weight*		0.77 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	0.106	13.82	13.82	138212	138212	
bumps	non noble metal	copper	7440-50-8	0.027	3.55	3.55	35483	35483	
leadframe	non noble metal	tin	7440-31-5	0.001	0.10		991		
	non noble metal	zinc	7440-66-6	0.001	0.08		793		
	non noble metal	chromium	7440-47-3	0.001	0.12		1189		
encapsulation	non noble metal	copper	7440-50-8	0.302	39.37	39.67	393626	396599	
	organic material	carbon black	1333-86-4	0.001	0.18		1798		
	plastics	epoxy resin	-	0.040	5.21		52129		
leadfinish	inorganic material	silicondioxide	60676-86-0	0.235	30.56	35.95	305580	359507	
	non noble metal	tin	7440-31-5	0.014	1.82	1.82	18234	18234	
plating	noble metal	silver	7440-22-4	0.018	2.40	2.40	23997	23997	
ubm	non noble metal	titanium	7440-32-6	0.000	0.04		447		
	non noble metal	tungsten	7440-33-7	0.000	0.02		233		
solder	non noble metal	copper	7440-50-8	0.001	0.13	0.19	1264	1944	
	noble metal	silver	7440-22-4	0.000	0.06		598		
	non noble metal	tin	7440-31-5	0.020	2.54	2.60	25426	26024	
*deviation	< 10%		Sum in total:			100.00		1000000	

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