



## Material Content Data Sheet



<b>Sales Product Name</b>		BGA 824N6 E6327		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001111618						
<b>Package</b>		PG-TSNP-6-2		<b>Weight*</b>		0.92 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	0.093	10.15	10.15	101529	101529
bumps	non noble metal	copper	7440-50-8	0.003	0.33	0.33	3301	3301
leadframe	non noble metal	tin	7440-31-5	0.001	0.10		971	
	non noble metal	zinc	7440-66-6	0.001	0.08		777	
	non noble metal	chromium	7440-47-3	0.001	0.12		1165	
encapsulation	non noble metal	copper	7440-50-8	0.353	38.55	38.85	385432	388345
	organic material	carbon black	1333-86-4	0.002	0.22		2238	
	plastics	epoxy resin	-	0.060	6.49		64921	
leadfinish	inorganic material	silicondioxide	60676-86-0	0.349	38.06	44.77	380571	447730
	non noble metal	tin	7440-31-5	0.038	4.10	4.10	41034	41034
	plating	noble metal	silver	7440-22-4	0.015	1.62	1.62	16192
ubm	non noble metal	copper	7440-50-8	0.000	0.00		34	
	non noble metal	titanium	7440-32-6	0.000	0.00		12	
	non noble metal	tungsten	7440-33-7	0.000	0.00	0.00	7	53
solder	noble metal	silver	7440-22-4	0.000	0.00		41	
	non noble metal	tin	7440-31-5	0.002	0.18	0.18	1775	1816
*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

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