



## Material Content Data Sheet



<b>Sales Product Name</b>		BGSA 141MN10 E6327		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001677708						
<b>Package</b>		PG-TSNP-10-3		<b>Weight*</b>		1.66 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	21.21	21.21	212088	212088
bumps	non noble metal	copper	7440-50-8	0.013	0.80	0.80	8021	8021
leadframe	non noble metal	zinc	7440-66-6	0.001	0.06		562	
	non noble metal	tin	7440-31-5	0.001	0.07		703	
	non noble metal	chromium	7440-47-3	0.001	0.08		843	
encapsulation	non noble metal	copper	7440-50-8	0.463	27.90	28.11	278975	281083
	organic material	carbon black	1333-86-4	0.004	0.22		2242	
	plastics	epoxy resin	-	0.108	6.50		65015	
leadfinish	inorganic material	silicondioxide	60676-86-0	0.633	38.12	44.84	381119	448376
	non noble metal	tin	7440-31-5	0.046	2.78	2.78	27750	27750
	plating	noble metal	silver	7440-22-4	0.030	1.82	1.82	18222
ubm	non noble metal	tungsten	7440-33-7	0.000	0.00		5	
	non noble metal	titanium	7440-32-6	0.000	0.00		11	
	non noble metal	copper	7440-50-8	0.000	0.00	0.00	31	47
solder	noble metal	silver	7440-22-4	0.000	0.01		102	
	non noble metal	tin	7440-31-5	0.007	0.43	0.44	4311	4413
*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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