



## Material Content Data Sheet



<b>Sales Product Name</b>				BGSA 12GN10 E6327		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001357690					
<b>Package</b>				PG-TSNP-10-1		<b>Weight*</b>		1.89 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	18.61	18.61	186148	186148	
bumps	non noble metal	copper	7440-50-8	0.005	0.27	0.27	2666	2666	
leadframe	non noble metal	tin	7440-31-5	0.002	0.09		891		
	non noble metal	zinc	7440-66-6	0.001	0.07		712		
	non noble metal	chromium	7440-47-3	0.002	0.11		1069		
encapsulation	non noble metal	copper	7440-50-8	0.669	35.35	35.62	353526	356198	
	organic material	carbon black	1333-86-4	0.004	0.21		2143		
	plastics	epoxy resin	-	0.118	6.22		62150		
leadfinish	inorganic material	silicondioxide	60676-86-0	0.689	36.44	42.87	364329	428622	
	non noble metal	tin	7440-31-5	0.029	1.54	1.54	15413	15413	
plating	noble metal	silver	7440-22-4	0.017	0.91	0.91	9066	9066	
ubm	non noble metal	copper	7440-50-8	0.001	0.03		273		
	non noble metal	titanium	7440-32-6	0.000	0.01		97		
solder	non noble metal	tungsten	7440-33-7	0.000	0.00	0.04	50	420	
	noble metal	silver	7440-22-4	0.000	0.00		34		
	non noble metal	tin	7440-31-5	0.003	0.14	0.14	1433	1467	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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