



## Material Content Data Sheet



<b>Sales Product Name</b>		BGS 12SN6 E6327		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001465010						
<b>Package</b>		PG-TSNP-6-2		<b>Weight*</b>		0.93 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	11.46	11.46	114624	114624
bumps	non noble metal	copper	7440-50-8	0.012	1.31	1.31	13077	13077
leadframe	non noble metal	tin	7440-31-5	0.001	0.10		962	
	non noble metal	zinc	7440-66-6	0.001	0.08		769	
	non noble metal	chromium	7440-47-3	0.001	0.12		1154	
encapsulation	non noble metal	copper	7440-50-8	0.353	38.18	38.48	381732	384617
	organic material	carbon black	1333-86-4	0.002	0.21		2146	
	plastics	epoxy resin	-	0.058	6.22		62228	
leadfinish	inorganic material	silicondioxide	60676-86-0	0.338	36.48	42.91	364782	429156
	non noble metal	tin	7440-31-5	0.038	4.06	4.06	40640	40640
plating	noble metal	silver	7440-22-4	0.015	1.60	1.60	16036	16036
ubm	non noble metal	copper	7440-50-8	0.000	0.00		33	
	non noble metal	titanium	7440-32-6	0.000	0.00		12	
solder	non noble metal	tungsten	7440-33-7	0.000	0.00	0.00	6	51
	noble metal	silver	7440-22-4	0.000	0.00		41	
	non noble metal	tin	7440-31-5	0.002	0.18	0.18	1758	1799
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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