



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGS 12SN6 E6327	<b>Issued</b>	09. February 2022
<b>MA#</b>	MA004221152		
<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	0.106	11.56	11.56	115564	115564
bumps	non noble metal	copper	7440-50-8	0.003	0.33	0.33	3296	3296
leadframe	non noble metal	zinc	7440-66-6	0.001	0.08		776	
	non noble metal	tin	7440-31-5	0.001	0.10		969	
	non noble metal	chromium	7440-47-3	0.001	0.12		1163	
	non noble metal	copper	7440-50-8	0.353	38.48	38.78	384860	387768
encapsulation	organic material	carbon black	1333-86-4	0.002	0.22		2174	
	inorganic material	zink oxide	1314-13-2	0.004	0.43		4349	
	miscellaneous	miscellaneous	-	0.006	0.65		6523	
	plastics	epoxy resin	-	0.044	4.78		47838	
	inorganic material	silicondioxide	60676-86-0	0.343	37.40	43.48	374006	434890
leadfinish	non noble metal	tin	7440-31-5	0.037	4.05	4.05	40467	40467
plating	noble metal	silver	7440-22-4	0.015	1.62	1.62	16168	16168
solder	noble metal	silver	7440-22-4	0.000			33	
	non noble metal	tin	7440-31-5	0.002	0.18	0.18	1761	1794
ubm	non noble metal	tungsten	7440-33-7	0.000			7	
	non noble metal	titanium	7440-32-6	0.000			12	
	non noble metal	copper	7440-50-8	0.000			34	53
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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