



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGS 12SN6 E6327	<b>Issued</b>	03. June 2021
<b>MA#</b>	MA004221150		
<b>Package</b>	PG-TSNP-6-8	<b>Weight*</b>	0.83 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	0.088	10.67	10.67	106698	106698
bumps	non noble metal	copper	7440-50-8	0.008	0.96	0.96	9645	9645
leadframe	non noble metal	zinc	7440-66-6	0.001	0.07		745	
	non noble metal	tin	7440-31-5	0.001	0.09		932	
	non noble metal	chromium	7440-47-3	0.001	0.11		1118	
	non noble metal	copper	7440-50-8	0.306	36.98	37.25	369751	372546
encapsulation	organic material	carbon black	1333-86-4	0.001	0.14		1417	
	plastics	epoxy resin	-	0.050	6.00		60000	
	inorganic material	silicondioxide	60676-86-0	0.341	41.11	47.25	411025	472442
leadfinish	non noble metal	tin	7440-31-5	0.028	3.34	3.34	33366	33366
solder	noble metal	silver	7440-22-4	0.000	0.01		94	
	non noble metal	tin	7440-31-5	0.004	0.52	0.53	5153	5247
ubm	non noble metal	tungsten	7440-33-7	0.000			7	
	non noble metal	titanium	7440-32-6	0.000			13	
	non noble metal	copper	7440-50-8	0.000			36	56
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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