



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 12WN6 E6327	Issued	27. April 2022
MA#	MA005722852		
Package	PG-TSNP-6-10	Weight*	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	0.094	11.29	11.29	112922	112922
bumps	noble metal	silver	7440-22-4	0.000			39	
	non noble metal	nickel	7440-02-0	0.000	0.04		386	
	non noble metal	tin	7440-31-5	0.002	0.19		1930	
	non noble metal	copper	7440-50-8	0.004	0.54	0.77	5363	7718
leadframe	non noble metal	magnesium	7439-95-4	0.000	0.06		565	
	inorganic material	silicon	7440-21-3	0.002	0.24		2450	
	non noble metal	nickel	7440-02-0	0.009	1.13		11310	
	non noble metal	copper	7440-50-8	0.301	36.27	37.70	362653	376978
encapsulation	organic material	carbon black	1333-86-4	0.001	0.10		957	
	plastics	epoxy resin	-	0.047	5.65		56459	
	inorganic material	silicondioxide	60676-86-0	0.349	42.10	47.85	421048	478464
leadfinish	non noble metal	tin	7440-31-5	0.017	2.08	2.08	20826	20826
solder	noble metal	silver	7440-22-4	0.000	0.01		70	
	non noble metal	tin	7440-31-5	0.002	0.29	0.30	2949	3019
ubm	non noble metal	titanium	7440-32-6	0.000			8	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	65	73
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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