

Material Content Data Sheet

RoHS | 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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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com