



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGSA 147ML10 E6327	<b>Issued</b>	22. April 2022
<b>MA#</b>	MA005712209		
<b>Package</b>	PG-TSLP-10-3	<b>Weight*</b>	1.43 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	0.352	24.70	24.70	246981	246981
bumps	noble metal	silver	7440-22-4	0.000	0.01		54	
	non noble metal	nickel	7440-02-0	0.001	0.05		539	
	non noble metal	tin	7440-31-5	0.004	0.27		2697	
	non noble metal	copper	7440-50-8	0.011	0.75	1.08	7497	10787
leadframe	non noble metal	nickel	7440-02-0	0.104	7.30	7.30	73010	73010
encapsulation	organic material	carbon black	1333-86-4	0.005	0.32		3207	
	inorganic material	zink oxide	1314-13-2	0.009	0.64		6413	
	miscellaneous	miscellaneous	-	0.014	0.96		9620	
	plastics	epoxy resin	-	0.101	7.05		70548	
	inorganic material	silicondioxide	60676-86-0	0.786	55.17	64.14	551554	641342
leadfinish	noble metal	gold	7440-57-5	0.015	1.05	1.05	10538	10538
plating	noble metal	silver	7440-22-4	0.025	1.72	1.72	17208	17208
ubm	non noble metal	titanium	7440-32-6	0.000			15	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	119	134
*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.

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