



## Material Content Data Sheet



<b>Sales Product Name</b>		BTS4142N		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA000398192						
<b>Package</b>		PG-SOT223-4-23		<b>Weight*</b>		113.90 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	2.309	2.03	2.03	20274	20274
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		92	
	non noble metal	titanium	7440-32-6	0.052	0.05		458	
	non noble metal	chromium	7440-47-3	0.156	0.14		1373	
	non noble metal	copper	7440-50-8	51.895	45.55	45.75	455607	457530
wire	noble metal	gold	7440-57-5	0.239	0.21	0.21	2099	2099
encapsulation	organic material	carbon black	1333-86-4	0.449	0.39		3946	
	plastics	brominated resin	-	0.562	0.49		4933	
	inorganic material	antimonytrioxide	1309-64-4	1.124	0.99		9865	
	plastics	epoxy resin	-	10.225	8.98		89774	
	inorganic material	silicondioxide	60676-86-0	43.823	38.47	49.32	384744	493262
leadfinish	non noble metal	tin	7440-31-5	1.464	1.29	1.29	12853	12853
plating	noble metal	silver	7440-22-4	0.815	0.72	0.72	7152	7152
glue	plastics	epoxy resin	-	0.136	0.12		1195	
	noble metal	silver	7440-22-4	0.642	0.56	0.68	5635	6830
*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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