



## Material Content Data Sheet



<b>Sales Product Name</b>		BTS72220-4ESE		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA005285822						
<b>Package</b>		PG-TSDSO-24-32		<b>Weight*</b>		113.27 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	3.687	3.25	3.25	32549	32549
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		141	
	non noble metal	zinc	7440-66-6	0.064	0.06		565	
	non noble metal	iron	7439-89-6	1.279	1.13		11291	
wire	non noble metal	copper	7440-50-8	51.928	45.84	47.04	458446	470443
	non noble metal	copper	7440-50-8	1.679	1.48	1.48	14827	14827
	encapsulation	organic material	carbon black	1333-86-4	0.148	0.13		1311
encapsulation	plastics	epoxy resin	-	5.790	5.11		51117	
	inorganic material	silicondioxide	60676-86-0	43.548	38.45	43.69	384470	436898
leadfinish	non noble metal	tin	7440-31-5	2.781	2.46	2.46	24554	24554
plating	noble metal	silver	7440-22-4	1.324	1.17	1.17	11685	11685
glue	plastics	epoxy resin	-	0.179	0.16		1583	
	noble metal	silver	7440-22-4	0.845	0.75	0.91	7461	9044
*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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