



## Material Content Data Sheet



<b>Sales Product Name</b>		BTS5020-1EKA		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001594098						
<b>Package</b>		PG-DSO-14-47		<b>Weight*</b>		150.32 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	2.382	1.58	1.58	15845	15845
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		115	
	non noble metal	zinc	7440-66-6	0.069	0.05		460	
	non noble metal	iron	7439-89-6	1.383	0.92		9204	
wire	non noble metal	copper	7440-50-8	56.175	37.37	38.35	373702	383481
	non noble metal	copper	7440-50-8	0.538	0.36	0.36	3577	3577
	encapsulation	organic material	carbon black	1333-86-4	0.170	0.11		1131
encapsulation	plastics	epoxy resin	-	7.823	5.20		52040	
	inorganic material	silicondioxide	60676-86-0	77.036	51.26	56.57	512480	565651
leadfinish	non noble metal	tin	7440-31-5	2.472	1.64	1.64	16443	16443
plating	noble metal	silver	7440-22-4	1.470	0.98	0.98	9781	9781
glue	plastics	epoxy resin	-	0.137	0.09		914	
	noble metal	silver	7440-22-4	0.648	0.43	0.52	4308	5222
*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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