

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTS5010-1EKB	**Issued**	9. January 2019
MA#	MA001508560		
Package	PG-DSO-14-47	**Weight***	150.81 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	4.015	2.66	2.66	26622	26622
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		115	
	non noble metal	zinc	7440-66-6	0.069	0.05		459	
	non noble metal	iron	7439-89-6	1.383	0.92		9174	
	non noble metal	copper	7440-50-8	56.175	37.25	38.23	372489	382237
wire	non noble metal	copper	7440-50-8	0.707	0.47	0.47	4690	4690
encapsulation	organic material	carbon black	1333-86-4	0.167	0.11		1105	
	plastics	epoxy resin	-	7.669	5.09		50851	
	inorganic material	silicondioxide	60676-86-0	75.521	50.06	55.26	500773	552729
leadfinish	non noble metal	tin	7440-31-5	2.472	1.64	1.64	16389	16389
plating	noble metal	silver	7440-22-4	1.470	0.98	0.98	9750	9750
glue	plastics	epoxy resin	-	0.200	0.13		1327	
	noble metal	silver	7440-22-4	0.943	0.63	0.76	6256	7583
*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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