

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTS5045-2EKA	**Issued**	07. February 2022
MA#	MA001712550		
Package	PG-DSO-14-40	**Weight***	149.59 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	2.875	1.92	1.92	19216	19216
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		116	
	non noble metal	zinc	7440-66-6	0.070	0.05		465	
	non noble metal	iron	7439-89-6	1.392	0.93		9304	
	non noble metal	copper	7440-50-8	56.512	37.78	38.77	377770	387655
wire	non noble metal	copper	7440-50-8	0.781	0.52	0.52	5223	5223
encapsulation	organic material	carbon black	1333-86-4	0.169	0.11		1129	
	plastics	epoxy resin	-	7.766	5.19		51912	
	inorganic material	silicondioxide	60676-86-0	76.476	51.13	56.43	511224	564265
leadfinish	non noble metal	tin	7440-31-5	1.226	0.82	0.82	8197	8197
plating	noble metal	silver	7440-22-4	1.417	0.95	0.95	9476	9476
glue	plastics	epoxy resin	-	0.156	0.10		1044	
	noble metal	silver	7440-22-4	0.737	0.49	0.59	4924	5968
*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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