



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS5045-1EJA	Issued	24. February 2022
MA#	MA005706894		
Package	PG-DSO-8-43	Weight*	84.30 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	1.775	2.11	2.11	21058	21058
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		111	
	non noble metal	zinc	7440-66-6	0.038	0.04		446	
	non noble metal	iron	7439-89-6	0.752	0.89		8919	
	non noble metal	copper	7440-50-8	30.529	36.21	37.15	362138	371614
wire	non noble metal	copper	7440-50-8	0.361	0.43	0.43	4279	4279
encapsulation	organic material	carbon black	1333-86-4	0.097	0.12		1154	
	plastics	epoxy resin	-	4.476	5.31		53090	
	inorganic material	silicondioxide	60676-86-0	44.074	52.27	57.70	522818	577062
leadfinish	non noble metal	tin	7440-31-5	0.814	0.97	0.97	9654	9654
plating	noble metal	silver	7440-22-4	0.726	0.86	0.86	8612	8612
glue	plastics	epoxy resin	-	0.114	0.14		1351	
	noble metal	silver	7440-22-4	0.537	0.64	0.78	6370	7721
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com