



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS5120-2EKA	Issued	08. February 2022
MA#	MA001712560		
Package	PG-DSO-14-40	Weight*	149.13 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	2.130	1.43	1.43	14282	14282
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		117	
	non noble metal	zinc	7440-66-6	0.070	0.05		467	
	non noble metal	iron	7439-89-6	1.392	0.93		9332	
	non noble metal	copper	7440-50-8	56.512	37.89	38.88	378938	388854
wire	non noble metal	copper	7440-50-8	0.393	0.26	0.26	2635	2635
encapsulation	organic material	carbon black	1333-86-4	0.170	0.11		1143	
	plastics	epoxy resin	-	7.842	5.26		52586	
	inorganic material	silicondioxide	60676-86-0	77.229	51.79	57.16	517854	571583
leadfinish	non noble metal	tin	7440-31-5	1.226	0.82	0.82	8222	8222
plating	noble metal	silver	7440-22-4	1.417	0.95	0.95	9505	9505
glue	plastics	epoxy resin	-	0.128	0.09		861	
	noble metal	silver	7440-22-4	0.605	0.41	0.50	4058	4919
*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