



Material Content Data Sheet



Halogen-Free

Sales Product Name BTS5016-1EKB

Issued

08. February 2022

MA# MA001793264

Package PG-DSO-14-47

Weight*

150.49 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	3.081	2.05	2.05	20471	20471
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		9193	
	non noble metal	copper	7440-50-8	56.175	37.33	38.31	373278	383046
wire	non noble metal	copper	7440-50-8	0.560	0.37	0.37	3724	3724
encapsulation	organic material	carbon black	1333-86-4	0.169	0.11		1121	
	plastics	epoxy resin	-	7.758	5.16		51551	
	inorganic material	silicondioxide	60676-86-0	76.398	50.76	56.03	507660	560332
leadfinish	non noble metal	tin	7440-31-5	2.472	1.64	1.64	16424	16424
plating	noble metal	silver	7440-22-4	1.470	0.98	0.98	9770	9770
glue	plastics	epoxy resin	-	0.164	0.11		1091	
	noble metal	silver	7440-22-4	0.774	0.51	0.62	5142	6233
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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