



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLD5045EJ	Issued	16. April 2021
MA#	MA005412061		
Package	PG-DSO-8-27	Weight*	84.03 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	1.904	2.27	2.27	22655	22655
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		108	
	non noble metal	zinc	7440-66-6	0.036	0.04		433	
	non noble metal	iron	7439-89-6	0.728	0.87		8660	
	non noble metal	copper	7440-50-8	29.548	35.16	36.08	351640	360841
wire	noble metal	gold	7440-57-5	0.191	0.23	0.23	2274	2274
encapsulation	organic material	carbon black	1333-86-4	0.099	0.12		1180	
	plastics	epoxy resin	-	4.561	5.43		54274	
	inorganic material	silicondioxide	60676-86-0	44.912	53.45	59.00	534485	589939
leadfinish	non noble metal	tin	7440-31-5	0.695	0.83	0.83	8272	8272
plating	noble metal	silver	7440-22-4	0.725	0.86	0.86	8622	8622
glue	plastics	epoxy resin	-	0.155	0.18		1849	
	noble metal	silver	7440-22-4	0.466	0.55	0.73	5548	7397
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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