



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE4254GA	Issued	12. August 2021
MA#	MA005596741		
Package	PG-DSO-8-46	Weight*	82.92 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	1.779	2.14	2.14	21449	21449
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		109	
	non noble metal	zinc	7440-66-6	0.036	0.04		436	
	non noble metal	iron	7439-89-6	0.723	0.87		8724	
	non noble metal	copper	7440-50-8	29.372	35.42	36.34	354215	363484
wire	non noble metal	copper	7440-50-8	0.071	0.09	0.09	858	858
encapsulation	organic material	carbon black	1333-86-4	0.098	0.12		1177	
	plastics	epoxy resin	-	4.490	5.42		54153	
	inorganic material	silicondioxide	60676-86-0	44.221	53.34	58.88	533290	588620
leadfinish	non noble metal	tin	7440-31-5	0.814	0.98	0.98	9815	9815
plating	noble metal	silver	7440-22-4	0.144	0.17	0.17	1738	1738
glue	plastics	epoxy resin	-	0.291	0.35		3509	
	noble metal	silver	7440-22-4	0.873	1.05	1.40	10527	14036
*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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