

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE4278G	**Issued**	04. April 2021
MA#	MA001719520		
Package	PG-DSO-14-61	**Weight***	142.35 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	1.874	1.32	1.32	13165	13165
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		108	
	non noble metal	zinc	7440-66-6	0.061	0.04		432	
	non noble metal	iron	7439-89-6	1.229	0.86		8633	
	non noble metal	copper	7440-50-8	49.897	35.05	35.96	350527	359700
wires	noble metal	palladium	7440-05-3	0.001			10	
	non noble metal	copper	7440-50-8	0.137	0.10	0.10	966	976
encapsulation	organic material	carbon black	1333-86-4	0.255	0.18		1795	
	plastics	epoxy resin	-	9.962	7.00		69986	
	inorganic material	silicondioxide	60676-86-0	74.931	52.64	59.82	526392	598173
leadfinish	noble metal	palladium	7440-05-3	0.020	0.01		144	
	noble metal	gold	7440-57-5	0.033	0.02		231	
	non noble metal	nickel	7440-02-0	0.719	0.51	0.54	5053	5428
plating	noble metal	palladium	7440-05-3	0.066	0.05		467	
	noble metal	gold	7440-57-5	0.107	0.08		750	
	non noble metal	nickel	7440-02-0	2.338	1.64	1.77	16424	17641
glue	plastics	epoxy resin	-	0.175	0.12		1229	
	noble metal	silver	7440-22-4	0.525	0.37	0.49	3688	4917
*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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