



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE4961-1K	<b>Issued</b>	13. April 2021
<b>MA#</b>	MA005259994		
<b>Package</b>	PG-SC59-3-5	<b>Weight*</b>	13.97 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	0.545	3.90	3.90	39018	39018
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		75	
	non noble metal	titanium	7440-32-6	0.005	0.04		377	
	non noble metal	chromium	7440-47-3	0.016	0.11		1129	
	non noble metal	copper	7440-50-8	5.236	37.49	37.65	374901	376482
wire	noble metal	gold	7440-57-5	0.024	0.17	0.17	1722	1722
encapsulation	organic material	carbon black	1333-86-4	0.074	0.53		5306	
	plastics	epoxy resin	-	1.593	11.41		114085	
	inorganic material	silicondioxide	60676-86-0	5.743	41.12	53.06	411237	530628
leadfinish	non noble metal	tin	7440-31-5	0.255	1.83	1.83	18277	18277
plating	noble metal	silver	7440-22-4	0.158	1.13	1.13	11279	11279
glue	plastics	epoxy resin	-	0.055	0.40		3954	
	noble metal	silver	7440-22-4	0.260	1.86	2.26	18640	22594
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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