



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE4997E2			<b>Issued</b>	25. January 2018			
<b>MA#</b>	MA001625628							
<b>Package</b>	PG-SSO-3-10			<b>Weight*</b>	143.11 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	4.537	3.17	3.17	31699	31699
leadframe	inorganic material	silicon	7440-21-3	0.020	0.01		138	
	non noble metal	titanium	7440-32-6	0.099	0.07		691	
	non noble metal	chromium	7440-47-3	0.297	0.21		2073	
wire	non noble metal	copper	7440-50-8	98.494	68.83	69.12	688223	691125
	noble metal	gold	7440-57-5	0.047	0.03	0.03	326	326
	encapsulation	organic material	carbon black	1333-86-4	0.350	0.24		2444
encapsulation	plastics	epoxy resin	-	4.420	3.09		30881	
	inorganic material	silicondioxide	60676-86-0	27.026	18.88	22.21	188842	222167
leadfinish	non noble metal	tin	7440-31-5	5.779	4.04	4.04	40384	40384
plating	noble metal	silver	7440-22-4	0.604	0.42	0.42	4217	4217
glue	plastics	epoxy resin	-	0.289	0.20		2016	
	noble metal	silver	7440-22-4	1.154	0.81	1.01	8066	10082
*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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