



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4946-2K		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA000492466						
<b>Package</b>		PG-SC59-3-4		<b>Weight*</b>		13.88 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	0.563	4.05	4.05	40540	40540
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		76	
	non noble metal	titanium	7440-32-6	0.005	0.04		378	
	non noble metal	chromium	7440-47-3	0.016	0.11		1134	
	non noble metal	copper	7440-50-8	5.224	37.64	37.80	376383	377971
wire	noble metal	gold	7440-57-5	0.020	0.15	0.15	1472	1472
encapsulation	organic material	carbon black	1333-86-4	0.057	0.41		4099	
	plastics	brominated resin	-	0.071	0.51		5124	
	inorganic material	antimonytrioxide	1309-64-4	0.142	1.02		10248	
	plastics	epoxy resin	-	1.294	9.33		93257	
	inorganic material	silicondioxide	60676-86-0	5.547	39.97	51.24	399673	512401
leadfinish	non noble metal	tin	7440-31-5	0.258	1.86	1.86	18596	18596
plating	noble metal	silver	7440-22-4	0.363	2.62	2.62	26181	26181
glue	plastics	epoxy resin	-	0.055	0.40		3997	
	noble metal	silver	7440-22-4	0.262	1.88	2.28	18842	22839
*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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