



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE4241GM			<b>Issued</b>	24. January 2018			
<b>MA#</b>	MA001259204							
<b>Package</b>	PG-DSO-8-16			<b>Weight*</b>	83.22 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	2.009	2.41	2.41	24143	24143
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		108	
	non noble metal	zinc	7440-66-6	0.036	0.04		431	
	non noble metal	iron	7439-89-6	0.717	0.86		8618	
wire	non noble metal	copper	7440-50-8	29.121	34.99	35.90	349936	359093
	noble metal	gold	7440-57-5	0.164	0.20	0.20	1969	1969
	encapsulation	organic material	carbon black	1333-86-4	0.097	0.12		1166
	plastics	epoxy resin	-	4.464	5.36		53640	
		inorganic material	silicondioxide	60676-86-0	43.959	52.84	58.32	528232
leadfinish	non noble metal	tin	7440-31-5	0.814	0.98	0.98	9780	9780
plating	noble metal	silver	7440-22-4	0.650	0.78	0.78	7814	7814
glue	plastics	acrylic resin	-	0.259	0.31		3116	
		noble metal	silver	7440-22-4	0.919	1.10	1.41	11047
*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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