



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE4299G V33			<b>Issued</b>	19. July 2018			
<b>MA#</b>	MA000970044							
<b>Package</b>	PG-DSO-8-16			<b>Weight*</b>	83.65 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	3.584	4.28	4.28	42844	42844
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		107	
	non noble metal	zinc	7440-66-6	0.036	0.04		429	
	non noble metal	iron	7439-89-6	0.717	0.86		8574	
wire	non noble metal	copper	7440-50-8	29.121	34.81	35.72	348132	357242
	noble metal	gold	7440-57-5	0.230	0.27	0.27	2745	2745
	encapsulation	organic material	carbon black	1333-86-4	0.094	0.11		1121
plastics	plastics	epoxy resin	-	4.313	5.16		51565	
	inorganic material	silicondioxide	60676-86-0	42.477	50.78	56.05	507801	560487
leadfinish	non noble metal	tin	7440-31-5	0.824	0.99	0.99	9851	9851
plating	noble metal	silver	7440-22-4	0.650	0.78	0.78	7773	7773
glue	plastics	acrylic resin	-	0.351	0.42		4193	
	noble metal	silver	7440-22-4	1.243	1.49	1.91	14865	19058
*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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