



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE5109A16 E2210	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005550228		
<b>Package</b>	PG-TDSO-16-1	<b>Weight*</b>	68.56 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	0.681	0.99	0.99	9935	9935
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		95	
	non noble metal	titanium	7440-32-6	0.033	0.05		474	
	non noble metal	chromium	7440-47-3	0.098	0.14		1423	
	non noble metal	copper	7440-50-8	32.380	47.25	47.45	472306	474298
wire	noble metal	gold	7440-57-5	0.119	0.17	0.17	1743	1743
encapsulation	organic material	carbon black	1333-86-4	0.064	0.09		941	
	plastics	epoxy resin	-	3.483	5.08		50798	
	inorganic material	silicondioxide	60676-86-0	28.699	41.86	47.03	418612	470351
leadfinish	non noble metal	tin	7440-31-5	1.198	1.75	1.75	17469	17469
plating	noble metal	silver	7440-22-4	1.680	2.45	2.45	24511	24511
glue	plastics	epoxy resin	-	0.029	0.04		423	
	plastics	acrylic resin	-	0.029	0.04		423	
	inorganic material	silicondioxide	60676-86-0	0.058	0.08	0.16	847	1693
*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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