



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE5009A16D E2200	<b>Issued</b>	13. August 2021
<b>MA#</b>	MA002020038		
<b>Package</b>	PG-TDSO-16-2	<b>Weight*</b>	70.08 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.681	0.97	0.97	9720	9720
chip_2	inorganic material	silicon	7440-21-3	0.681	0.97	0.97	9720	9720
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		93	
	non noble metal	titanium	7440-32-6	0.033	0.05		464	
	non noble metal	chromium	7440-47-3	0.098	0.14		1392	
	non noble metal	copper	7440-50-8	32.380	46.21	46.41	462086	464035
wire	noble metal	gold	7440-57-5	0.241	0.34	0.34	3439	3439
encapsulation	organic material	carbon black	1333-86-4	0.062	0.09		889	
	plastics	epoxy resin	-	3.366	4.80		48030	
	inorganic material	silicondioxide	60676-86-0	27.736	39.58	44.47	395802	444721
leadfinish	non noble metal	tin	7440-31-5	1.198	1.71	1.71	17091	17091
plating	noble metal	silver	7440-22-4	3.361	4.80	4.80	47962	47962
glue	plastics	epoxy resin	-	0.058	0.08		828	
	plastics	acrylic resin	-	0.058	0.08		828	
	inorganic material	silicondioxide	60676-86-0	0.116	0.17	0.33	1656	3312
*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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