

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE5109A16 E2210	**Issued**	24. June 2021
MA#	MA005550228		
Package	PG-TDSO-16-1	**Weight***	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:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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