



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE5109A16 E2210	Issued	21. July 2021
MA#	MA005429995		
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.
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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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