



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE94108ES	Issued	18. May 2021
MA#	MA005429427		
Package	PG-TSDSO-24-51	Weight*	112.11 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	3.240	2.89	2.89	28899	28899
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		128	
	non noble metal	zinc	7440-66-6	0.057	0.05		513	
	non noble metal	iron	7439-89-6	1.150	1.03		10257	
	non noble metal	copper	7440-50-8	46.694	41.66	42.75	416487	427385
wire	non noble metal	copper	7440-50-8	0.887	0.79	0.79	7912	7912
encapsulation	organic material	carbon black	1333-86-4	0.153	0.14		1369	
	plastics	epoxy resin	-	5.985	5.34		53379	
	inorganic material	silicondioxide	60676-86-0	45.012	40.15	45.63	401482	456230
leadfinish	non noble metal	tin	7440-31-5	2.672	2.38	2.38	23832	23832
plating	noble metal	silver	7440-22-4	1.381	1.23	1.23	12315	12315
glue	plastics	epoxy resin	-	0.171	0.15		1524	
	noble metal	silver	7440-22-4	0.805	0.72	0.87	7184	8708
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			10	
	non noble metal	zinc	7440-66-6	0.005			42	
	non noble metal	iron	7439-89-6	0.093	0.08		833	
	non noble metal	copper	7440-50-8	3.793	3.38	3.46	33834	34719
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com