



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE9471ES	Issued	13. May 2021
MA#	MA002361640		
Package	PG-TSDSO-24-1	Weight*	109.75 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	1.843	1.68	1.68	16794	16794
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		142	
	non noble metal	zinc	7440-66-6	0.062	0.06		567	
	non noble metal	iron	7439-89-6	1.244	1.13		11334	
	non noble metal	copper	7440-50-8	50.505	46.03	47.23	460199	472242
wire	non noble metal	copper	7440-50-8	0.354	0.32	0.32	3227	3227
encapsulation	organic material	carbon black	1333-86-4	0.156	0.14		1425	
	plastics	epoxy resin	-	6.097	5.56		55559	
	inorganic material	silicondioxide	60676-86-0	45.860	41.79	47.49	417877	474861
leadfinish	non noble metal	tin	7440-31-5	2.759	2.51	2.51	25143	25143
plating	noble metal	silver	7440-22-4	0.178	0.16	0.16	1622	1622
glue	plastics	epoxy resin	-	0.168	0.15		1528	
	noble metal	silver	7440-22-4	0.503	0.46	0.61	4583	6111
*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