

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE4471G	**Issued**	25. November 2019
MA#	MA002391832		
Package	PG-DSO-20-65	**Weight***	2027.03 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	8.752	0.43	0.43	4318	4318
leadframe	inorganic material	phosphorus	7723-14-0	0.359	0.02		177	
	non noble metal	zinc	7440-66-6	1.435	0.07		708	
	non noble metal	iron	7439-89-6	28.697	1.42		14157	
	non noble metal	copper	7440-50-8	1165.200	57.49	59.00	574831	589873
wire	non noble metal	copper	7440-50-8	1.698	0.08	0.08	838	838
encapsulation	organic material	carbon black	1333-86-4	1.603	0.08		791	
	plastics	epoxy resin	-	73.719	3.64		36368	
	inorganic material	silicondioxide	60676-86-0	725.968	35.81	39.53	358143	395302
leadfinish	non noble metal	tin	7440-31-5	10.336	0.51	0.51	5099	5099
plating	noble metal	silver	7440-22-4	0.686	0.03	0.03	338	338
solder	non noble metal	tin	7440-31-5	0.086	0.00		42	
	noble metal	silver	7440-22-4	0.129	0.01		63	
	non noble metal	lead	7439-92-1	8.366	0.41	0.42	4127	4232
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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