



Material Content Data Sheet



Sales Product Name		TLE4251D		Issued		25. September 2017			
MA#		MA000722732							
Package		PG-TO252-5-11		Weight*		365.59 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	2.717	0.74	0.74	7432	7432	
leadframe	non noble metal	iron	7439-89-6	0.205	0.06		559		
	inorganic material	phosphorus	7723-14-0	0.061	0.02		168		
	non noble metal	copper	7440-50-8	204.243	55.87	55.95	558659	559386	
wire	non noble metal	aluminium	7429-90-5	0.194	0.05	0.05	530	530	
encapsulation	organic material	carbon black	1333-86-4	0.297	0.08		813		
	plastics	epoxy resin	-	13.673	3.74		37399		
	inorganic material	silicondioxide	60676-86-0	134.646	36.83	40.65	368294	406506	
leadfinish	non noble metal	tin	7440-31-5	5.072	1.39	1.39	13875	13875	
plating	non noble metal	nickel	7440-02-0	0.076	0.02		208		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	209	
solder	noble metal	silver	7440-22-4	0.110	0.03		302		
	non noble metal	tin	7440-31-5	0.088	0.02		241		
	non noble metal	lead	7439-92-1	4.211	1.15	1.20	11519	12062	
*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