



Material Content Data Sheet



Sales Product Name		TLE5309D E5201		Issued		19. January 2018			
MA#		MA001228670							
Package		PG-TDSO-16-2		Weight*		67.98 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	0.745	1.10	1.10	10955	10955	
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		96		
		non noble metal	titanium	7440-32-6	0.033	0.05		478	
		non noble metal	chromium	7440-47-3	0.098	0.14		1435	
		non noble metal	copper	7440-50-8	32.380	47.62	47.82	476307	478316
wire	noble metal	gold	7440-57-5	0.241	0.35	0.35	3545	3545	
encapsulation	organic material	carbon black	1333-86-4	0.065	0.10		950		
		plastics	epoxy resin	-	3.487	5.13		51287	
		inorganic material	silicondioxide	60676-86-0	28.732	42.26	47.49	422644	474881
leadfinish	non noble metal	tin	7440-31-5	1.198	1.76	1.76	17617	17617	
plating	noble metal	silver	7440-22-4	0.840	1.24	1.24	12359	12359	
glue	plastics	epoxy resin	-	0.040	0.06		582		
		plastics	acrylic resin	-	0.040	0.06		582	
		inorganic material	silicondioxide	60676-86-0	0.079	0.12	0.24	1163	2327
*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

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