



Material Content Data Sheet



Sales Product Name		TLE5309D E1211		Issued		4. July 2019		
MA#		MA002020116						
Package		PG-TDSO-16-2		Weight*		68.04 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.681	1.00	1.00	10011	10011
chip_2	inorganic material	silicon	7440-21-3	0.681	1.00	1.00	10011	10011
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		1434	
	non noble metal	copper	7440-50-8	32.380	47.60	47.80	475911	477919
wire	noble metal	gold	7440-57-5	0.241	0.35	0.35	3542	3542
encapsulation	organic material	carbon black	1333-86-4	0.063	0.09		930	
	plastics	epoxy resin	-	3.418	5.02		50237	
	inorganic material	silicondioxide	60676-86-0	28.167	41.40	46.51	413987	465154
leadfinish	non noble metal	tin	7440-31-5	1.198	1.76	1.76	17602	17602
plating	noble metal	silver	7440-22-4	0.840	1.23	1.23	12349	12349
glue	plastics	epoxy resin	-	0.058	0.09		853	
	plastics	acrylic resin	-	0.058	0.09		853	
	inorganic material	silicondioxide	60676-86-0	0.116	0.17	0.35	1706	3412
*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.
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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 München
Internet	www.infineon.com