



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE5309D E1211		<b>Issued</b>		31. July 2018			
<b>MA#</b>		MA001230268							
<b>Package</b>		PG-TDSO-16-2		<b>Weight*</b>		68.04 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	1.362	2.00	2.00	20021	20021	
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	475912	477920
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:

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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