



## Material Content Data Sheet



<b>Sales Product Name</b>				TLE4953C		<b>Issued</b>		14. September 2018	
<b>MA#</b>				MA000862106					
<b>Package</b>				PG-SSO-2-4		<b>Weight*</b>		168.96 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	2.522	1.49	1.49	14927	14927	
leadframe	non noble metal	chromium	7440-47-3	0.288	0.17		1704		
	non noble metal	titanium	7440-32-6	0.288	0.17		1704		
	non noble metal	nickel	7440-02-0	0.384	0.23		2272		
	non noble metal	tin	7440-31-5	0.576	0.34		3409		
	non noble metal	copper	7440-50-8	94.449	55.92	56.83	559021	568110	
wire	noble metal	gold	7440-57-5	0.039	0.02	0.02	233	233	
encapsulation	organic material	carbon black	1333-86-4	0.450	0.27		2661		
	plastics	brominated resin	-	0.562	0.33		3326		
	inorganic material	antimonytrioxide	1309-64-4	1.124	0.67		6652		
	plastics	epoxy resin	-	10.228	6.05		60537		
	inorganic material	silicondioxide	60676-86-0	43.834	25.94	33.26	259443	332619	
leadfinish	non noble metal	tin	7440-31-5	6.247	3.70	3.70	36974	36974	
plating	noble metal	silver	7440-22-4	0.986	0.58	0.58	5834	5834	
glue	plastics	epoxy resin	-	0.158	0.09		933		
	noble metal	silver	7440-22-4	0.631	0.37	0.46	3733	4666	
smd	inorganic material	leadoxide	1317-36-8	0.001	0.00		7		
	inorganic material	leadtitanate	12060-00-3	0.031	0.02		183		
	inorganic material	titandioxide	13463-67-7	0.148	0.09		876		
	inorganic material	bismuth trioxide	1304-76-3	0.255	0.15		1509		
	noble metal	palladium	7440-05-3	0.474	0.28		2806		
	noble metal	silver	7440-22-4	1.491	0.88		8826		
	inorganic material	bariumtitanate	12047-27-7	3.790	2.24	3.66	22430	36637	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7 (c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

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