



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4942-1C		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA000862102						
<b>Package</b>		PG-SSO-2-4		<b>Weight*</b>		168.94 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	2.458	1.46	1.46	14551	14551
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		2273	
	non noble metal	tin	7440-31-5	0.576	0.34		3409	
	non noble metal	copper	7440-50-8	94.449	55.91	56.82	559074	568164
wire	noble metal	gold	7440-57-5	0.041	0.02	0.02	244	244
encapsulation	organic material	carbon black	1333-86-4	0.450	0.27		2664	
	plastics	brominated resin	-	0.563	0.33		3330	
	inorganic material	antimonytrioxide	1309-64-4	1.125	0.67		6660	
	plastics	epoxy resin	-	10.238	6.06		60604	
	inorganic material	silicondioxide	60676-86-0	43.879	25.97	33.30	259733	332991
leadfinish	non noble metal	tin	7440-31-5	6.247	3.70	3.70	36977	36977
plating	noble metal	silver	7440-22-4	0.986	0.58	0.58	5834	5834
glue	plastics	epoxy resin	-	0.153	0.09		908	
	noble metal	silver	7440-22-4	0.613	0.36	0.45	3631	4539
smd	inorganic material	leadoxide	1317-36-8	0.001	0.00		7	
	inorganic material	titandioxide	13463-67-7	0.148	0.09		876	
	inorganic material	leadtitanate	12060-00-3	0.031	0.02		183	
	plastics	epoxy resin	-	0.002	0.00		12	
	inorganic material	bismuth trioxide	1304-76-3	0.255	0.15		1510	
	noble metal	palladium	7440-05-3	0.474	0.28		2807	
	noble metal	silver	7440-22-4	1.499	0.89		8873	
	inorganic material	bariumtitanate	12047-27-7	3.790	2.24	3.67	22432	36700
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

- 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.
- 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.
- 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 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