



Material Content Data Sheet



Sales Product Name	TLE4953C	Issued	27. April 2022
MA#	MA005730456		
Package	PG-SSO-2-4	Weight*	169.25 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	14901	14901
leadframe	non noble metal	chromium	7440-47-3	0.288	0.17		1701	
	non noble metal	titanium	7440-32-6	0.288	0.17		1701	
	non noble metal	nickel	7440-02-0	0.384	0.23		2269	
	non noble metal	tin	7440-31-5	0.576	0.34		3403	
	non noble metal	copper	7440-50-8	94.449	55.80	56.71	558056	567130
wire	noble metal	gold	7440-57-5	0.039	0.02	0.02	232	232
encapsulation	organic material	carbon black	1333-86-4	0.459	0.27		2710	
	plastics	brominated resin	-	0.573	0.34		3388	
	inorganic material	antimonytrioxide	1309-64-4	1.147	0.68		6776	
	plastics	epoxy resin	-	10.436	6.17		61659	
	inorganic material	silicondioxide	60676-86-0	44.724	26.43	33.89	264253	338786
leadfinish	non noble metal	tin	7440-31-5	6.247	3.69	3.69	36910	36910
plating	noble metal	silver	7440-22-4	0.986	0.58	0.58	5824	5824
glue	plastics	epoxy resin	-	0.158	0.09		932	
	noble metal	silver	7440-22-4	0.631	0.37	0.46	3726	4658
smd	noble metal	palladium	7440-05-3	0.040	0.02		237	
	inorganic material	titandioxide	13463-67-7	0.099	0.06		587	
	inorganic material	bismuth trioxide	1304-76-3	0.387	0.23		2288	
	noble metal	silver	7440-22-4	0.439	0.26		2594	
	inorganic material	bariumtitanate	12047-27-7	4.375	2.59	3.16	25853	31559
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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