



Material Content Data Sheet



Sales Product Name				TLE4953C		Issued		28. August 2013	
MA#				MA000862106					
Package				PG-SSO-2-4		Weight*		168.97 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	14925	14925	
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		
	noble metal	silver	7440-22-4	0.384	0.23		2272		
	non noble metal	tin	7440-31-5	0.576	0.34		3408		
	non noble metal	copper	7440-50-8	94.449	55.89	56.80	558960	568048	
wire	noble metal	gold	7440-57-5	0.060	0.04	0.04	353	353	
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		6651		
	plastics	epoxy resin	-	10.228	6.05		60528		
	inorganic material	silicondioxide	60676-86-0	43.833	25.94	33.26	259406	332572	
leadfinish	non noble metal	tin	7440-31-5	6.247	3.70	3.70	36970	36970	
plating	noble metal	silver	7440-22-4	0.986	0.58	0.58	5833	5833	
glue	plastics	epoxy resin	-	0.156	0.09		921		
	noble metal	silver	7440-22-4	0.623	0.37	0.46	3686	4607	
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		1509		
	noble metal	palladium	7440-05-3	0.474	0.28		2806		
	noble metal	silver	7440-22-4	1.499	0.89		8872		
	inorganic material	bariumtitanate	12047-27-7	3.790	2.24	3.67	22427	36692	
*deviation	< 10%					Sum in total:	100,00	1000000	

Important Remarks:

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