



## Material Content Data Sheet



Sales Product Name	TLE6251-3G			Issued		7. August 2019		
MA#	MA001720672							
Package	PG-DSO-14-62			Weight*		144.00 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	5.050	3.51	3.51	35069	35069
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		108	
	non noble metal	zinc	7440-66-6	0.062	0.04		432	
	non noble metal	iron	7439-89-6	1.243	0.86		8634	
	non noble metal	copper	7440-50-8	50.479	35.06	35.97	350557	359731
wires	noble metal	palladium	7440-05-3	0.002	0.00		11	
	non noble metal	copper	7440-50-8	0.151	0.10	0.10	1049	1060
encapsulation	organic material	carbon black	1333-86-4	0.245	0.17		1698	
	plastics	epoxy resin	-	9.537	6.62		66229	
	inorganic material	silicondioxide	60676-86-0	71.730	49.82	56.61	498137	566064
leadfinish	noble metal	palladium	7440-05-3	0.020	0.01		142	
	noble metal	gold	7440-57-5	0.033	0.02		228	
	non noble metal	nickel	7440-02-0	0.719	0.50	0.53	4995	5365
plating	noble metal	palladium	7440-05-3	0.068	0.05		472	
	noble metal	gold	7440-57-5	0.109	0.08		759	
	non noble metal	nickel	7440-02-0	2.392	1.66	1.79	16611	17842
glue	plastics	epoxy resin	-	0.535	0.37		3717	
	noble metal	silver	7440-22-4	1.606	1.12	1.49	11152	14869
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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