



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE6389-3G V50		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001682314						
<b>Package</b>		PG-DSO-14-62		<b>Weight*</b>		143.63 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	6.620	4.61	4.61	46093	46093
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		108	
	non noble metal	zinc	7440-66-6	0.062	0.04		433	
	non noble metal	iron	7439-89-6	1.243	0.87		8656	
wire	non noble metal	copper	7440-50-8	50.479	35.15	36.07	351455	360652
	noble metal	palladium	7440-05-3	0.002	0.00		11	
	non noble metal	copper	7440-50-8	0.157	0.11	0.11	1090	1101
encapsulation	organic material	carbon black	1333-86-4	0.240	0.17		1670	
	plastics	epoxy resin	-	9.356	6.51		65139	
	inorganic material	silicondioxide	60676-86-0	70.369	48.98	55.66	489933	556742
plating	noble metal	gold	7440-57-5	0.109	0.08		761	
	noble metal	palladium	7440-05-3	0.068	0.05		473	
	non noble metal	nickel	7440-02-0	2.392	1.67	1.80	16653	17887
glue	plastics	epoxy resin	-	0.629	0.44		4381	
	noble metal	silver	7440-22-4	1.888	1.31	1.75	13144	17525
*deviation	< 10%				Sum in total:		100.00	1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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