



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE4276SV			<b>Issued</b>	28. August 2013			
<b>MA#</b>	MA000714748							
<b>Package</b>	PG-TO220-5-12			<b>Weight*</b>	2156.09 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	3.304	0.15	0.15	1532	1532
leadframe	non noble metal	iron	7439-89-6	0.923	0.04		428	
	inorganic material	phosphorus	7723-14-0	0.277	0.01		128	
	non noble metal	copper	7440-50-8	921.567	42.74	42.79	427423	427979
wire	non noble metal	aluminium	7429-90-5	0.226	0.01	0.01	105	105
encapsulation	organic material	carbon black	1333-86-4	1.214	0.06		563	
	plastics	epoxy resin	-	55.864	2.59		25910	
	inorganic material	silicondioxide	60676-86-0	550.135	25.52	28.17	255154	281627
leadfinish	non noble metal	tin	7440-31-5	24.181	1.12	1.12	11215	11215
plating	inorganic material	phosphorus	7723-14-0	0.008	0.00		4	
	non noble metal	nickel	7440-02-0	3.285	0.15	0.15	1523	1527
solder	noble metal	silver	7440-22-4	0.122	0.01		57	
	non noble metal	tin	7440-31-5	0.098	0.00		45	
	non noble metal	lead	7439-92-1	4.658	0.22	0.23	2161	2263
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		82	
	non noble metal	iron	7439-89-6	0.590	0.03		274	
	non noble metal	copper	7440-50-8	589.466	27.34	27.38	273396	273752
*deviation	< 10%			Sum in total:		100.00		1000000

### Important Remarks:

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