



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4270-2G		<b>Issued</b>		28. August 2013		
<b>MA#</b>		MA000714122						
<b>Package</b>		PG-TO263-5-1		<b>Weight*</b>		1674.95 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	4.930	0.29	0.29	2943	2943
leadframe	non noble metal	iron	7439-89-6	0.483	0.03		288	
	inorganic material	phosphorus	7723-14-0	0.145	0.01		86	
	non noble metal	copper	7440-50-8	482.096	28.78	28.82	287828	288202
wire	non noble metal	aluminium	7429-90-5	0.306	0.02	0.02	182	182
encapsulation	organic material	carbon black	1333-86-4	1.453	0.09		867	
	plastics	epoxy resin	-	66.822	3.99		39895	
	inorganic material	silicondioxide	60676-86-0	658.055	39.28	43.36	392879	433642
leadfinish	non noble metal	tin	7440-31-5	12.370	0.74	0.74	7385	7385
plating	non noble metal	nickel	7440-02-0	0.243	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	noble metal	silver	7440-22-4	0.151	0.01		90	
	non noble metal	tin	7440-31-5	0.120	0.01		72	
	non noble metal	lead	7439-92-1	5.749	0.34	0.36	3432	3594
heatspreader	inorganic material	phosphorus	7723-14-0	0.133	0.01		79	
	non noble metal	iron	7439-89-6	0.442	0.03		264	
	non noble metal	copper	7440-50-8	441.456	26.36	26.40	263564	263907
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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