



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE5206-2S		<b>Issued</b>		28. August 2013		
<b>MA#</b>		MA000621042						
<b>Package</b>		PG-TO220-7-12		<b>Weight*</b>		2122.54 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	11.039	0.52	0.52	5201	5201
leadframe	non noble metal	iron	7439-89-6	0.908	0.04		428	
	inorganic material	phosphorus	7723-14-0	0.272	0.01		128	
	non noble metal	copper	7440-50-8	906.793	42.73	42.78	427222	427778
wire	non noble metal	aluminium	7429-90-5	2.538	0.12	0.12	1196	1196
encapsulation	organic material	carbon black	1333-86-4	8.805	0.41		4148	
	plastics	epoxy resin	-	96.855	4.56		45632	
	inorganic material	silicondioxide	60676-86-0	481.342	22.68	27.65	226777	276557
leadfinish	non noble metal	tin	7440-31-5	23.005	1.08	1.08	10839	10839
plating	non noble metal	nickel	7440-02-0	0.216	0.01		102	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	102
solder	noble metal	silver	7440-22-4	0.179	0.01		85	
	non noble metal	tin	7440-31-5	0.144	0.01		68	
	non noble metal	lead	7439-92-1	6.855	0.32	0.34	3229	3382
heatspreader	inorganic material	phosphorus	7723-14-0	0.175	0.01		82	
	non noble metal	iron	7439-89-6	0.584	0.03		275	
	non noble metal	copper	7440-50-8	582.824	27.46	27.50	274588	274945
*deviation	< 10%					Sum in total:	100,00	1000000

### Important Remarks:

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