



Material Content Data Sheet



Sales Product Name	TLE5205-2			Issued		28. August 2013		
MA#	MA000621006							
Package	PG-TO220-7-11			Weight*		2124.30 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	5197	5197
leadframe	non noble metal	iron	7439-89-6	0.908	0.04		427	
	inorganic material	phosphorus	7723-14-0	0.272	0.01		128	
	non noble metal	copper	7440-50-8	906.793	42.68	42.73	426866	427422
wire	non noble metal	aluminium	7429-90-5	2.679	0.13	0.13	1261	1261
encapsulation	organic material	carbon black	1333-86-4	8.798	0.41		4141	
	plastics	epoxy resin	-	96.774	4.56		45556	
	inorganic material	silicondioxide	60676-86-0	480.937	22.64	27.61	226398	276095
leadfinish	non noble metal	tin	7440-31-5	23.005	1.08	1.08	10830	10830
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	1	102
solder	noble metal	silver	7440-22-4	0.232	0.01		109	
	non noble metal	tin	7440-31-5	0.186	0.01		88	
	non noble metal	lead	7439-92-1	8.877	0.42	0.44	4179	4376
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	27.44	27.48	274360	274717
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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