



Material Content Data Sheet



Sales Product Name		TLE4274G V10		Issued		29. August 2013		
MA#		MA000713296						
Package		PG-TO263-3-1		Weight*		1598.64 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	2.945	0.18	0.18	1842	1842
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		190	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		57	
	non noble metal	copper	7440-50-8	304.026	19.02	19.05	190177	190424
wire	non noble metal	aluminium	7429-90-5	0.187	0.01	0.01	117	117
encapsulation	organic material	carbon black	1333-86-4	1.456	0.09		911	
	plastics	epoxy resin	-	66.998	4.19		41910	
	inorganic material	silicondioxide	60676-86-0	659.788	41.28	45.56	412717	455538
leadfinish	non noble metal	tin	7440-31-5	9.657	0.60	0.60	6041	6041
plating	non noble metal	nickel	7440-02-0	0.228	0.01		143	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	143
solder	noble metal	silver	7440-22-4	0.115	0.01		72	
	non noble metal	tin	7440-31-5	0.092	0.01		57	
	non noble metal	lead	7439-92-1	4.377	0.27	0.29	2738	2867
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		103	
	non noble metal	iron	7439-89-6	0.548	0.03		343	
	non noble metal	copper	7440-50-8	547.666	34.26	34.30	342582	343028
*deviation	< 10%					Sum in total:	100,00	1000000

Important Remarks:

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