



Material Content Data Sheet



Sales Product Name		TLE42764GV		Issued		28. August 2013		
MA#		MA000723208						
Package		PG-TO263-5-1		Weight*		1673.71 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	3.179	0.19	0.19	1899	1899
leadframe	non noble metal	iron	7439-89-6	0.483	0.03		288	
	inorganic material	phosphorus	7723-14-0	0.145	0.01		87	
	non noble metal	copper	7440-50-8	482.096	28.80	28.84	288041	288416
wire	non noble metal	aluminium	7429-90-5	0.275	0.02	0.02	164	164
encapsulation	organic material	carbon black	1333-86-4	1.456	0.09		870	
	plastics	epoxy resin	-	66.987	4.00		40023	
	inorganic material	silicondioxide	60676-86-0	659.679	39.40	43.49	394142	435035
leadfinish	non noble metal	tin	7440-31-5	12.370	0.74	0.74	7391	7391
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	0	145
solder	noble metal	silver	7440-22-4	0.119	0.01		71	
	non noble metal	tin	7440-31-5	0.095	0.01		57	
	non noble metal	lead	7439-92-1	4.552	0.27	0.29	2720	2848
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	26.38	26.42	263759	264102
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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