



Material Content Data Sheet



Sales Product Name		TLE7270-2G		Issued		28. August 2013		
MA#		MA000671674						
Package		PG-TO263-5-1		Weight*		1633.00 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	1.671	0.10	0.10	1024	1024
leadframe	non noble metal	iron	7439-89-6	0.483	0.03		296	
	inorganic material	phosphorus	7723-14-0	0.145	0.01		89	
	non noble metal	copper	7440-50-8	482.096	29.52	29.56	295220	295605
wire	non noble metal	aluminium	7429-90-5	0.249	0.02	0.02	153	153
encapsulation	organic material	carbon black	1333-86-4	10.356	0.63		6342	
	plastics	epoxy resin	-	113.913	6.98		69757	
	inorganic material	silicondioxide	60676-86-0	566.114	34.67	42.28	346670	422769
leadfinish	non noble metal	tin	7440-31-5	12.370	0.76	0.76	7575	7575
plating	non noble metal	nickel	7440-02-0	0.243	0.01		149	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	149
solder	noble metal	silver	7440-22-4	0.083	0.01		51	
	non noble metal	tin	7440-31-5	0.067	0.00		41	
	non noble metal	lead	7439-92-1	3.180	0.19	0.20	1948	2040
heatspreader	inorganic material	phosphorus	7723-14-0	0.133	0.01		81	
	non noble metal	iron	7439-89-6	0.442	0.03		271	
	non noble metal	copper	7440-50-8	441.456	27.03	27.07	270333	270685
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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