Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE5205-2G	**Issued**	29. August 2013
MA#	MA000600986		
Package	PG-TO263-7-1	**Weight***	1537.86 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	0.72	0.72	7178	7178
leadframe	non noble metal	iron	7439-89-6	0.810	0.05		526	
	inorganic material	phosphorus	7723-14-0	0.243	0.02		158	
	non noble metal	copper	7440-50-8	808.613	52.57	52.64	525804	526488
wire	non noble metal	aluminium	7429-90-5	2.557	0.17	0.17	1663	1663
encapsulation	organic material	carbon black	1333-86-4	8.786	0.57		5713	
	plastics	epoxy resin	-	96.641	6.28		62841	
	inorganic material	silicondioxide	60676-86-0	480.277	31.23	38.08	312303	380857
leadfinish	non noble metal	tin	7440-31-5	13.037	0.85	0.85	8477	8477
plating	non noble metal	nickel	7440-02-0	0.212	0.01		138	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	138
solder	noble metal	silver	7440-22-4	0.232	0.02		151	
	non noble metal	tin	7440-31-5	0.186	0.01		121	
	non noble metal	lead	7439-92-1	8.879	0.58	0.61	5773	6045
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		21	
	non noble metal	iron	7439-89-6	0.106	0.01		69	
	non noble metal	copper	7440-50-8	106.210	6.91	6.92	69064	69154
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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