

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE4470GS	**Issued**	24. January 2018
MA#	MA000736792		
Package	PG-DSO-14-30	**Weight***	143.61 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	4.953	3.45	3.45	34489	34489
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		105	
	non noble metal	zinc	7440-66-6	0.060	0.04		420	
	non noble metal	iron	7439-89-6	1.207	0.84		8405	
	non noble metal	copper	7440-50-8	49.007	34.13	35.02	341258	350188
wire	noble metal	gold	7440-57-5	0.238	0.17	0.17	1658	1658
encapsulation	organic material	carbon black	1333-86-4	0.168	0.12		1170	
	plastics	epoxy resin	-	7.726	5.38		53802	
	inorganic material	silicondioxide	60676-86-0	76.087	52.97	58.47	529831	584803
leadfinish	non noble metal	tin	7440-31-5	1.226	0.85	0.85	8538	8538
plating	noble metal	silver	7440-22-4	1.030	0.72	0.72	7171	7171
glue	plastics	acrylic resin	-	0.416	0.29		2894	
	noble metal	silver	7440-22-4	1.473	1.03	1.32	10259	13153
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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