

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE75242-ESH	**Issued**	27. April 2022
MA#	MA005739314		
Package	PG-TSDSO-24-51	**Weight***	111.92 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	2.618	2.34	2.34	23389	23389
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		128	
	non noble metal	zinc	7440-66-6	0.057	0.05		514	
	non noble metal	iron	7439-89-6	1.150	1.03		10275	
	non noble metal	copper	7440-50-8	46.694	41.72	42.81	417212	428129
wire	non noble metal	copper	7440-50-8	0.812	0.73	0.73	7251	7251
encapsulation	organic material	carbon black	1333-86-4	0.155	0.14		1387	
	plastics	epoxy resin	-	6.056	5.41		54110	
	inorganic material	silicondioxide	60676-86-0	45.550	40.70	46.25	406985	462482
leadfinish	non noble metal	tin	7440-31-5	2.672	2.39	2.39	23874	23874
plating	noble metal	silver	7440-22-4	1.381	1.23	1.23	12336	12336
glue	plastics	epoxy resin	-	0.152	0.14		1358	
	noble metal	silver	7440-22-4	0.716	0.64	0.78	6401	7759
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			10	
	non noble metal	zinc	7440-66-6	0.005			42	
	non noble metal	iron	7439-89-6	0.093	0.08		835	
	non noble metal	copper	7440-50-8	3.793	3.39	3.47	33893	34780
*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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