

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE4963-1M	**Issued**	19. September 2019
MA#	MA005401531		
Package	PG-SOT23-3-15	**Weight***	9.78 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	0.220	2.25	2.25	22463	22463
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		74	
	non noble metal	titanium	7440-32-6	0.004	0.04		369	
	non noble metal	chromium	7440-47-3	0.011	0.11		1106	
	non noble metal	copper	7440-50-8	3.590	36.72	36.88	367217	368766
wire	noble metal	gold	7440-57-5	0.023	0.24	0.24	2361	2361
encapsulation	organic material	carbon black	1333-86-4	0.055	0.56		5619	
	plastics	epoxy resin	-	1.181	12.08		120813	
	inorganic material	silicondioxide	60676-86-0	4.257	43.55	56.19	435487	561919
leadfinish	non noble metal	tin	7440-31-5	0.150	1.53	1.53	15308	15308
plating	noble metal	silver	7440-22-4	0.149	1.52	1.52	15200	15200
glue	plastics	epoxy resin	-	0.024	0.24		2447	
	noble metal	silver	7440-22-4	0.113	1.15	1.39	11536	13983
*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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