



Material Content Data Sheet



Sales Product Name	TLE5012BD E1200			Issued	19. January 2018			
MA#	MA002020064							
Package	PG-TDSO-16-2			Weight*	68.21 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	2.790	4.09	4.09	40912	40912
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		95	
	non noble metal	titanium	7440-32-6	0.033	0.05		477	
	non noble metal	chromium	7440-47-3	0.098	0.14		1430	
	non noble metal	copper	7440-50-8	32.380	47.48	47.68	474746	476748
wire	noble metal	gold	7440-57-5	0.274	0.40	0.40	4012	4012
encapsulation	organic material	carbon black	1333-86-4	0.060	0.09		886	
	plastics	epoxy resin	-	3.262	4.78		47826	
	inorganic material	silicondioxide	60676-86-0	26.882	39.41	44.28	394126	442838
leadfinish	non noble metal	tin	7440-31-5	1.198	1.76	1.76	17559	17559
plating	noble metal	silver	7440-22-4	0.840	1.23	1.23	12319	12319
glue	plastics	epoxy resin	-	0.096	0.14		1403	
	plastics	acrylic resin	-	0.096	0.14		1403	
	inorganic material	silicondioxide	60676-86-0	0.191	0.28	0.56	2806	5612
*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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