



Material Content Data Sheet



Sales Product Name		TLE5012BD E9200		Issued		1. August 2018		
MA#		MA002020078						
Package		PG-TDSO-16-2		Weight*		68.01 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.154	0.23	0.23	2260	2260
chip_2	inorganic material	silicon	7440-21-3	1.395	2.05	2.05	20516	20516
chip_3	inorganic material	silicon	7440-21-3	1.395	2.05	2.05	20516	20516
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		96	
	non noble metal	titanium	7440-32-6	0.033	0.05		478	
	non noble metal	chromium	7440-47-3	0.098	0.14		1434	
	non noble metal	copper	7440-50-8	32.380	47.62	47.82	476143	478151
wire	noble metal	gold	7440-57-5	0.274	0.40	0.40	4024	4024
encapsulation	organic material	carbon black	1333-86-4	0.058	0.09		859	
	plastics	epoxy resin	-	3.155	4.64		46396	
	inorganic material	silicondioxide	60676-86-0	26.001	38.23	42.96	382336	429591
leadfinish	non noble metal	tin	7440-31-5	1.198	1.76	1.76	17610	17610
plating	noble metal	silver	7440-22-4	0.840	1.24	1.24	12355	12355
glue	plastics	epoxy resin	-	0.255	0.37		3744	
	plastics	acrylic resin	-	0.255	0.37		3744	
	inorganic material	silicondioxide	60676-86-0	0.509	0.75	1.49	7489	14977
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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