



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE5012BD E9200	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA005341102		
<b>Package</b>	PG-TDSO-16-2	<b>Weight*</b>	68.88 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	1.395	2.03	2.03	20254	20254
chip_2	inorganic material	silicon	7440-21-3	1.395	2.03	2.03	20254	20254
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		94	
	non noble metal	titanium	7440-32-6	0.033	0.05		472	
	non noble metal	chromium	7440-47-3	0.098	0.14		1416	
	non noble metal	copper	7440-50-8	32.380	46.98	47.18	470070	472052
wire	noble metal	gold	7440-57-5	0.274	0.40	0.40	3973	3973
encapsulation	organic material	carbon black	1333-86-4	0.060	0.09		872	
	plastics	epoxy resin	-	3.245	4.71		47102	
	inorganic material	silicondioxide	60676-86-0	26.738	38.82	43.62	388155	436129
leadfinish	non noble metal	tin	7440-31-5	1.198	1.74	1.74	17386	17386
plating	noble metal	silver	7440-22-4	1.680	2.44	2.44	24395	24395
glue	plastics	epoxy resin	-	0.096	0.14		1389	
	plastics	acrylic resin	-	0.096	0.14		1389	
	inorganic material	silicondioxide	60676-86-0	0.191	0.28	0.56	2779	5557
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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