



Material Content Data Sheet



Sales Product Name	TLE5045IC-R050	Issued	11. August 2021
MA#	MA001658740		
Package	PG-SSO-2-1	Weight*	139.21 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	0.877	0.63	0.63	6297	6297
leadframe	non noble metal	chromium	7440-47-3	0.309	0.22		2216	
	non noble metal	titanium	7440-32-6	0.309	0.22		2216	
	non noble metal	nickel	7440-02-0	0.411	0.30		2955	
	non noble metal	tin	7440-31-5	0.617	0.44		4432	
	non noble metal	copper	7440-50-8	101.193	72.69	73.87	726928	738747
wire	noble metal	gold	7440-57-5	0.030	0.02	0.02	214	214
encapsulation	organic material	carbon black	1333-86-4	0.214	0.15		1534	
	plastics	brominated resin	-	0.267	0.19		1918	
	inorganic material	antimonytrioxide	1309-64-4	0.534	0.38		3835	
	plastics	epoxy resin	-	4.859	3.49		34902	
	inorganic material	silicondioxide	60676-86-0	20.822	14.96	19.17	149579	191768
leadfinish	non noble metal	tin	7440-31-5	7.803	5.61	5.61	56052	56052
plating	noble metal	silver	7440-22-4	0.550	0.40	0.40	3950	3950
glue	plastics	epoxy resin	-	0.083	0.06		594	
	noble metal	silver	7440-22-4	0.331	0.24	0.30	2378	2972
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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