

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLS4120D0EPV	**Issued**	16. May 2021
MA#	MA005402495		
Package	PG-TSDSO-14-5	**Weight***	64.44 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	2.632	4.08	4.08	40841	40841
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		145	
	non noble metal	zinc	7440-66-6	0.037	0.06		579	
	non noble metal	iron	7439-89-6	0.746	1.16		11583	
	non noble metal	copper	7440-50-8	30.306	47.05	48.28	470316	482623
wire	non noble metal	copper	7440-50-8	0.261	0.40	0.40	4045	4045
encapsulation	organic material	carbon black	1333-86-4	0.083	0.13		1295	
	plastics	epoxy resin	-	3.254	5.05		50499	
	inorganic material	silicondioxide	60676-86-0	24.475	37.98	43.16	379823	431617
leadfinish	non noble metal	tin	7440-31-5	1.644	2.55	2.55	25515	25515
plating	noble metal	silver	7440-22-4	0.135	0.21	0.21	2094	2094
glue	plastics	epoxy resin	-	0.214	0.33		3316	
	noble metal	silver	7440-22-4	0.641	0.99	1.32	9949	13265
*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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