



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLV4946K	Issued	11. August 2021
MA#	MA001683976		
Package	PG-SC59-3-5	Weight*	13.97 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	0.563	4.03	4.03	40290	40290
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		75	
	non noble metal	titanium	7440-32-6	0.005	0.04		376	
	non noble metal	chromium	7440-47-3	0.016	0.11		1129	
	non noble metal	copper	7440-50-8	5.236	37.49	37.65	374878	376458
wire	noble metal	gold	7440-57-5	0.020	0.15	0.15	1463	1463
encapsulation	organic material	carbon black	1333-86-4	0.074	0.53		5295	
	plastics	epoxy resin	-	1.590	11.38		113850	
	inorganic material	silicondioxide	60676-86-0	5.732	41.03	52.94	410391	529536
leadfinish	non noble metal	tin	7440-31-5	0.255	1.83	1.83	18276	18276
plating	noble metal	silver	7440-22-4	0.158	1.13	1.13	11279	11279
glue	plastics	epoxy resin	-	0.055	0.40		3972	
	noble metal	silver	7440-22-4	0.262	1.87	2.27	18726	22698
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com