



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE6389-3G V50	Issued	07. February 2022
MA#	MA001682314		
Package	PG-DSO-14-62	Weight*	144.40 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	6.620	4.58	4.58	45846	45846
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		108	
	non noble metal	zinc	7440-66-6	0.062	0.04		430	
	non noble metal	iron	7439-89-6	1.243	0.86		8609	
	non noble metal	copper	7440-50-8	50.479	34.96	35.87	349575	358722
wires	noble metal	palladium	7440-05-3	0.002			11	
	non noble metal	copper	7440-50-8	0.157	0.11	0.11	1085	1096
encapsulation	organic material	carbon black	1333-86-4	0.240	0.17		1661	
	plastics	epoxy resin	-	9.356	6.48		64790	
	inorganic material	silicondioxide	60676-86-0	70.369	48.73	55.38	487311	553762
leadfinish	noble metal	palladium	7440-05-3	0.020	0.01		142	
	noble metal	gold	7440-57-5	0.033	0.02		227	
	non noble metal	nickel	7440-02-0	0.719	0.50	0.53	4981	5350
plating	noble metal	palladium	7440-05-3	0.068	0.05		471	
	noble metal	gold	7440-57-5	0.109	0.08		756	
	non noble metal	nickel	7440-02-0	2.392	1.66	1.79	16564	17791
glue	inorganic material	copperoxide	1317-38-0	0.063	0.04		436	
	miscellaneous	miscellaneous	-	0.076	0.05		523	
	plastics	epoxy resin	-	0.441	0.31		3051	
	noble metal	silver	7440-22-4	1.938	1.34	1.74	13423	17433
*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.

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