

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMC102T-F048	**Issued**	15. May 2021
MA#	MA003954958		
Package	PG-LQFP-48-10	**Weight***	185.18 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	2.892	1.56	1.56	15620	15620
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		92	
	non noble metal	zinc	7440-66-6	0.068	0.04		368	
	non noble metal	iron	7439-89-6	1.363	0.74		7360	
	non noble metal	copper	7440-50-8	55.341	29.89	30.68	298857	306677
wires	noble metal	gold	7440-57-5	0.001			5	
	noble metal	palladium	7440-05-3	0.012	0.01		65	
	non noble metal	copper	7440-50-8	0.467	0.25	0.26	2524	2594
encapsulation	organic material	carbon black	1333-86-4	0.359	0.19		1939	
	plastics	epoxy resin	-	14.006	7.56		75634	
	inorganic material	silicondioxide	60676-86-0	105.341	56.89	64.64	568869	646442
leadfinish	non noble metal	tin	7440-31-5	2.950	1.59	1.59	15929	15929
plating	noble metal	silver	7440-22-4	1.220	0.66	0.66	6587	6587
glue	plastics	epoxy resin	-	0.285	0.15		1538	
	noble metal	silver	7440-22-4	0.854	0.46	0.61	4613	6151
*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.
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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