

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMC302A-F048	**Issued**	15. May 2021
MA#	MA003924498		
Package	PG-LQFP-48-11	**Weight***	186.08 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	2.892	1.55	1.55	15544	15544
chip_2	inorganic material	silicon	7440-21-3	2.892	1.55	1.55	15544	15544
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		92	
	non noble metal	zinc	7440-66-6	0.068	0.04		366	
	non noble metal	iron	7439-89-6	1.363	0.73		7325	
	non noble metal	copper	7440-50-8	55.341	29.74	30.52	297406	305189
wires	noble metal	gold	7440-57-5	0.001			5	
	noble metal	palladium	7440-05-3	0.012	0.01		62	
	non noble metal	copper	7440-50-8	0.451	0.24	0.25	2425	2492
encapsulation	organic material	carbon black	1333-86-4	0.350	0.19		1880	
	plastics	epoxy resin	-	13.641	7.33		73310	
	inorganic material	silicondioxide	60676-86-0	102.602	55.13	62.65	551393	626583
leadfinish	non noble metal	tin	7440-31-5	2.950	1.59	1.59	15852	15852
plating	noble metal	silver	7440-22-4	1.220	0.66	0.66	6555	6555
glue	plastics	epoxy resin	-	0.569	0.31		3060	
	noble metal	silver	7440-22-4	1.708	0.92	1.23	9181	12241
*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.

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