

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW40N120T2	**Issued**	18. August 2021
MA#	MA005417549		
Package	PG-TO247-3-44	**Weight***	5973.52 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	12.542	0.21	0.21	2100	2100
chip_2	inorganic material	silicon	7440-21-3	6.785	0.11	0.11	1136	1136
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		199	
	non noble metal	iron	7439-89-6	3.972	0.07		665	
	non noble metal	copper	7440-50-8	3,967.074	66.40	66.49	664111	664975
wire	non noble metal	aluminium	7429-90-5	17.045	0.29	0.29	2853	2853
encapsulation	organic material	carbon black	1333-86-4	9.471	0.16		1585	
	plastics	epoxy resin	-	378.840	6.34		63420	
	inorganic material	silicondioxide	60676-86-0	1,505.889	25.21	31.71	252094	317099
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5336	5336
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4866	4866
solder	non noble metal	antimony	7440-36-0	0.977	0.02		163	
	noble metal	silver	7440-22-4	2.442	0.04		409	
	non noble metal	tin	7440-31-5	6.348	0.11	0.17	1063	1635
*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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