

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW40N65F5	**Issued**	08. April 2022
MA#	MA001497228		
Package	PG-TO247-3-41	**Weight***	6049.90 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	2.080	0.03	0.03	344	344
chip_2	inorganic material	silicon	7440-21-3	0.742	0.01	0.01	123	123
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87451	87565
wire	non noble metal	aluminium	7429-90-5	13.490	0.22	0.22	2230	2230
encapsulation	organic material	carbon black	1333-86-4	19.979	0.33		3302	
	plastics	epoxy resin	-	379.603	6.27		62745	
	inorganic material	silicondioxide	60676-86-0	1,598.329	26.42	33.02	264191	330238
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.250			41	
	noble metal	silver	7440-22-4	0.626	0.01		103	
	non noble metal	tin	7440-31-5	1.627	0.03	0.04	269	413
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.83	56.91	568274	569014
*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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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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