

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKWH50N75EH7	**Issued**	06. June 2025
MA#	MA006082751		
Package	PG-TO247-3-32	**Weight***	6043.52 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	2.793	0.046	0.046	462	462
chip_2	inorganic material	silicon	7440-21-3	1.923	0.032	0.032	318	318
leadframe	non noble metal	nickel	7440-02-0	1.206	0.020	66.519	200	665186
	inorganic material	phosphorus	7723-14-0	1.206	0.020		200	
	non noble metal	iron	7439-89-6	4.824	0.080		798	
	non noble metal	copper	7440-50-8	4012.828	66.399		663988	
wire	non noble metal	aluminium	7429-90-5	20.147	0.333	0.333	3334	3334
encapsulation	inorganic material	magnesium aluminum hydroxide carbonate	11097-59-9	5.936	0.098	32.739	982	327395
	organic material	carbon black	1333-86-4	9.893	0.164		1637	
	miscellaneous	miscellaneous	-	43.530	0.720		7203	
	plastics	phenol resin	-	138.503	2.292		22918	
	plastics	epoxy resin	-	267.113	4.420		44198	
	inorganic material	silicondioxide	60676-86-0	1513.643	25.046		250457	
leadfinish	non noble metal	tin	7440-31-5	15.994	0.265	0.265	2647	2647
plating	inorganic material	phosphorus	7723-14-0	< 0.001	< 0.001	0.005	< 1	54
	non noble metal	nickel	7440-02-0	0.328	0.005		54	
solder	non noble metal	antimony	7440-36-0	0.365	0.006	0.060	60	604
	noble metal	silver	7440-22-4	0.913	0.015		151	
	non noble metal	tin	7440-31-5	2.374	0.039		393	
*deviation	< 10%				Sum in total:	100.000		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.

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