

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKFW50N65DH5	**Issued**	14. May 2021
MA#	MA002574548		
Package	PG-HSIP247-3-2	**Weight***	5944.60 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	2.204	0.04	0.04	371	371
chip_2	inorganic material	silicon	7440-21-3	0.970	0.02	0.02	163	163
leadframe	inorganic material	phosphorus	7723-14-0	0.153			26	
	non noble metal	iron	7439-89-6	0.511	0.01		86	
	non noble metal	copper	7440-50-8	510.037	8.58	8.59	85799	85911
wire	non noble metal	aluminium	7429-90-5	17.353	0.29	0.29	2919	2919
encapsulation	inorganic material	zincoxide	1314-13-2	9.149	0.15		1539	
	organic material	carbon black	1333-86-4	20.533	0.35		3454	
	plastics	silicone resin	-	20.585	0.35		3463	
	inorganic material	alumina	1344-28-1	198.993	3.35		33475	
	plastics	epoxy resin	-	390.127	6.56		65627	
	inorganic material	silicondioxide	60676-86-0	1,642.641	27.63	38.39	276325	383883
leadfinish	non noble metal	tin	7440-31-5	15.237	0.26	0.26	2563	2563
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.429	0.01	0.01	72	73
solder	non noble metal	antimony	7440-36-0	0.268			45	
	noble metal	silver	7440-22-4	0.670	0.01		113	
	non noble metal	tin	7440-31-5	1.743	0.03	0.04	293	451
heatspreader	inorganic material	phosphorus	7723-14-0	0.934	0.02		157	
	non noble metal	iron	7439-89-6	3.113	0.05		524	
	non noble metal	copper	7440-50-8	3,108.943	52.29	52.36	522985	523666
*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.
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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com