

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKFW50N65DH5	**Issued**	08. April 2022
MA#	MA005710724		
Package	PG-HSIP247-3-2	**Weight***	5944.61 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	2.235	0.04	0.04	376	376
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	85798	85910
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	-	390.122	6.56		65626	
	inorganic material	silicondioxide	60676-86-0	1,642.620	27.63	38.39	276321	383878
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	0.269			45	
	noble metal	silver	7440-22-4	0.672	0.01		113	
	non noble metal	tin	7440-31-5	1.747	0.03	0.04	294	452
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:

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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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