



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKW50N65H5	<b>Issued</b>	09. February 2022
<b>MA#</b>	MA005618873		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6049.07 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	0.903	0.01	0.01	149	149
chip_2	inorganic material	silicon	7440-21-3	0.903	0.01	0.01	149	149
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	87463	87577
wire	non noble metal	aluminium	7429-90-5	13.389	0.22	0.22	2213	2213
encapsulation	organic material	carbon black	1333-86-4	19.990	0.33		3305	
	plastics	epoxy resin	-	379.815	6.28		62789	
	inorganic material	silicondioxide	60676-86-0	1,599.221	26.44	33.05	264375	330469
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	4805	4805
solder	non noble metal	antimony	7440-36-0	0.167			28	
	noble metal	silver	7440-22-4	0.417	0.01		69	
	non noble metal	tin	7440-31-5	1.085	0.02	0.03	179	276
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	568353	569093
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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