



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKW40N60DTP	<b>Issued</b>	06. May 2021
<b>MA#</b>	MA001393934		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6052.05 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	0.970	0.02	0.02	160	160
chip_2	inorganic material	silicon	7440-21-3	2.598	0.04	0.04	429	429
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	8.74	8.75	87420	87534
wire	non noble metal	aluminium	7429-90-5	19.414	0.32	0.32	3208	3208
encapsulation	organic material	carbon black	1333-86-4	19.930	0.33		3293	
	plastics	epoxy resin	-	378.667	6.26		62568	
	inorganic material	silicondioxide	60676-86-0	1,594.388	26.34	32.93	263446	329307
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.291			48	
	noble metal	silver	7440-22-4	0.726	0.01		120	
	non noble metal	tin	7440-31-5	1.888	0.03	0.04	312	480
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	56.81	56.89	568073	568813
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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