



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKY40N120CS6	<b>Issued</b>	17. February 2022
<b>MA#</b>	MA005619716		
<b>Package</b>	PG-TO247-4-2	<b>Weight*</b>	6888.53 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	4.609	0.07	0.07	669	669
chip_2	inorganic material	silicon	7440-21-3	4.609	0.07	0.07	669	669
leadframe	inorganic material	phosphorus	7723-14-0	0.183			27	
	non noble metal	iron	7439-89-6	0.611	0.01		89	
	non noble metal	copper	7440-50-8	610.481	8.86	8.87	88623	88739
wire	non noble metal	aluminium	7429-90-5	26.624	0.39	0.39	3865	3865
encapsulation	organic material	carbon black	1333-86-4	20.716	0.30		3007	
	plastics	epoxy resin	-	393.605	5.71		57139	
	inorganic material	silicondioxide	60676-86-0	1,657.284	24.06	30.07	240586	300732
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5205	5205
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	0.506	0.01		73	
	noble metal	silver	7440-22-4	1.264	0.02		184	
	non noble metal	tin	7440-31-5	3.287	0.05	0.08	477	734
heatspreader	inorganic material	phosphorus	7723-14-0	1.238	0.02		180	
	non noble metal	iron	7439-89-6	4.127	0.06		599	
	non noble metal	copper	7440-50-8	4,121.580	59.82	59.90	598325	599104
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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