



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKY75N120CH3	<b>Issued</b>	10. May 2021
<b>MA#</b>	MA001620110		
<b>Package</b>	PG-TO247-4-2	<b>Weight*</b>	6905.30 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	24.379	0.35	0.35	3530	3530
chip_2	inorganic material	silicon	7440-21-3	12.736	0.18	0.18	1844	1844
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	8.84	8.85	88407	88523
wire	non noble metal	aluminium	7429-90-5	35.655	0.52	0.52	5163	5163
encapsulation	organic material	carbon black	1333-86-4	20.391	0.30		2953	
	plastics	epoxy resin	-	387.426	5.61		56105	
	inorganic material	silicondioxide	60676-86-0	1,631.268	23.62	29.53	236234	295292
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5193	5193
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	1.742	0.03		252	
	noble metal	silver	7440-22-4	4.355	0.06		631	
	non noble metal	tin	7440-31-5	11.322	0.16	0.25	1640	2523
heatspreader	inorganic material	phosphorus	7723-14-0	1.238	0.02		179	
	non noble metal	iron	7439-89-6	4.127	0.06		598	
	non noble metal	copper	7440-50-8	4,121.580	59.69	59.77	596872	597649
*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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