

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKY40N120CS6	**Issued**	03. April 2021
MA#	MA001667336		
Package	PG-TO247-4-2	**Weight***	6892.53 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	12.588	0.18	0.18	1826	1826
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	88571	88687
wire	non noble metal	aluminium	7429-90-5	26.536	0.38	0.38	3850	3850
encapsulation	organic material	carbon black	1333-86-4	20.642	0.30		2995	
	plastics	epoxy resin	-	392.190	5.69		56901	
	inorganic material	silicondioxide	60676-86-0	1,651.325	23.96	29.95	239582	299478
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5202	5202
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	0.861	0.01		125	
	noble metal	silver	7440-22-4	2.152	0.03		312	
	non noble metal	tin	7440-31-5	5.594	0.08	0.12	812	1249
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	59.80	59.88	597977	598756
*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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