

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKY75N120CS6	**Issued**	03. April 2021
MA#	MA001667354		
Package	PG-TO247-4-2	**Weight***	6901.93 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	9.050	0.13	0.13	1311	1311
chip_2	inorganic material	silicon	7440-21-3	21.437	0.31	0.31	3106	3106
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	8.85	8.86	88451	88567
wire	non noble metal	aluminium	7429-90-5	36.012	0.52	0.52	5218	5218
encapsulation	organic material	carbon black	1333-86-4	20.451	0.30		2963	
	plastics	epoxy resin	-	388.561	5.63		56297	
	inorganic material	silicondioxide	60676-86-0	1,636.047	23.70	29.63	237042	296302
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5195	5195
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	1.434	0.02		208	
	noble metal	silver	7440-22-4	3.586	0.05		520	
	non noble metal	tin	7440-31-5	9.323	0.14	0.21	1351	2079
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	59.71	59.79	597162	597939
*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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