



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKQ75N120CH3	<b>Issued</b>	10. May 2021
<b>MA#</b>	MA001620128		
<b>Package</b>	PG-TO247-3-46	<b>Weight*</b>	6908.09 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	3529	3529
chip_2	inorganic material	silicon	7440-21-3	12.736	0.18	0.18	1844	1844
leadframe	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	iron	7439-89-6	4.066	0.06		589	
	non noble metal	copper	7440-50-8	4,060.901	58.79	58.87	587847	588613
wire	non noble metal	aluminium	7429-90-5	39.355	0.57	0.57	5697	5697
encapsulation	organic material	carbon black	1333-86-4	20.236	0.29		2929	
	plastics	epoxy resin	-	384.478	5.57		55656	
	inorganic material	silicondioxide	60676-86-0	1,618.855	23.43	29.29	234342	292927
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4857	4857
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	297	297
solder	non noble metal	antimony	7440-36-0	1.742	0.03		252	
	noble metal	silver	7440-22-4	4.355	0.06		630	
	non noble metal	tin	7440-31-5	11.322	0.16	0.25	1639	2521
heatspreader	inorganic material	phosphorus	7723-14-0	0.207			30	
	non noble metal	iron	7439-89-6	0.689	0.01		100	
	non noble metal	copper	7440-50-8	687.941	9.96	9.97	99585	99715
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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