

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQ120N60T	**Issued**	03. April 2021
MA#	MA001428960		
Package	PG-TO247-3-46	**Weight***	6897.17 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	6.406	0.09	0.09	929	929
chip_2	inorganic material	silicon	7440-21-3	6.406	0.09	0.09	929	929
leadframe	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	iron	7439-89-6	4.066	0.06		590	
	non noble metal	copper	7440-50-8	4,060.901	58.89	58.97	588778	589545
wire	non noble metal	aluminium	7429-90-5	38.758	0.56	0.56	5619	5619
encapsulation	organic material	carbon black	1333-86-4	20.461	0.30		2967	
	plastics	epoxy resin	-	388.756	5.64		56364	
	inorganic material	silicondioxide	60676-86-0	1,636.866	23.73	29.67	237324	296655
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4865	4865
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	298	298
solder	non noble metal	antimony	7440-36-0	0.888	0.01		129	
	noble metal	silver	7440-22-4	2.221	0.03		322	
	non noble metal	tin	7440-31-5	5.775	0.08	0.12	837	1288
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	9.97	9.98	99742	99872
*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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