

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQ75N120CS6	**Issued**	03. April 2021
MA#	MA001667358		
Package	PG-TO247-3-46	**Weight***	6905.04 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	3104	3104
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	58.82	58.90	588106	588872
wire	non noble metal	aluminium	7429-90-5	40.870	0.59	0.59	5919	5919
encapsulation	organic material	carbon black	1333-86-4	20.287	0.29		2938	
	plastics	epoxy resin	-	385.455	5.58		55822	
	inorganic material	silicondioxide	60676-86-0	1,622.969	23.50	29.37	235041	293801
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4860	4860
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	297	297
solder	non noble metal	antimony	7440-36-0	1.434	0.02		208	
	noble metal	silver	7440-22-4	3.586	0.05		519	
	non noble metal	tin	7440-31-5	9.323	0.14	0.21	1350	2077
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	99629	99759
*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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