

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQ120N60T	**Issued**	05. April 2021
MA#	MA001886026		
Package	PG-TO247-3-46	**Weight***	6900.43 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	928	928
chip_2	inorganic material	silicon	7440-21-3	11.796	0.17	0.17	1710	1710
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	58.85	58.93	588500	589266
wire	non noble metal	aluminium	7429-90-5	38.171	0.55	0.55	5532	5532
encapsulation	organic material	carbon black	1333-86-4	20.413	0.30		2958	
	plastics	epoxy resin	-	387.838	5.62		56205	
	inorganic material	silicondioxide	60676-86-0	1,633.001	23.67	29.59	236652	295815
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4863	4863
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	297	297
solder	non noble metal	antimony	7440-36-0	1.217	0.02		176	
	noble metal	silver	7440-22-4	3.043	0.04		441	
	non noble metal	tin	7440-31-5	7.911	0.11	0.17	1146	1763
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	99696	99826
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com