



Material Content Data Sheet



Halogen-Free

Sales Product Name	AIKQ200N75CP2	Issued	07. February 2022
MA#	MA005418334		
Package	PG-TO247-3-46	Weight*	6905.23 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	13.505	0.20	0.20	1956	1956
chip_2	inorganic material	silicon	7440-21-3	7.930	0.11	0.11	1148	1148
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	58.80	58.88	588091	588857
wire	non noble metal	aluminium	7429-90-5	44.254	0.64	0.64	6409	6409
encapsulation	organic material	carbon black	1333-86-4	20.335	0.29		2945	
	plastics	epoxy resin	-	386.356	5.60		55951	
	inorganic material	silicondioxide	60676-86-0	1,626.763	23.56	29.45	235585	294481
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4859	4859
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	297	297
solder	non noble metal	antimony	7440-36-0	1.545	0.02		224	
	noble metal	silver	7440-22-4	3.863	0.06		559	
	non noble metal	tin	7440-31-5	10.043	0.15	0.23	1454	2237
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	99626	99756
*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